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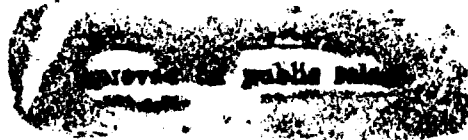
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INSTALLATION RESTORATION PROGRAM

FINAL SITE INVESTIGATION REPORT

VOLUME II

**110TH FIGHTER GROUP
MICHIGAN AIR NATIONAL GUARD
W.K. KELLOGG MEMORIAL AIRPORT
BATTLE CREEK, MICHIGAN**

NOVEMBER 1993



HAZWRAP SUPPORT CONTRACTOR OFFICE
Oak Ridge, Tennessee 37831
Operated by MARTIN MARIETTA ENERGY SYSTEMS, INC.
For the U.S. DEPARTMENT OF ENERGY under contract DE-AC05-84OR21400

INSTALLATION RESTORATION PROGRAM

**FINAL
SITE INVESTIGATION REPORT**

VOLUME II

**110TH FIGHTER GROUP
MICHIGAN AIR NATIONAL GUARD
W.K. KELLOGG MEMORIAL AIRPORT
BATTLE CREEK, MICHIGAN**

November 1993

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Oak Ridge, Tennessee 37831-7606
Managed by
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for the
U.S. DEPARTMENT OF ENERGY
under contract DE-AC05-84OR21400

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NOVEMBER - DECEMBER 1988 SAMPLING DATA**

**LEGEND FOR INORGANIC RESULT QUALIFIERS
USED BY THE LABORATORY AND BY THE DATA USERS
FOR DATA VALIDATION**

- B Reported value is less than Reporting limit but greater than the IDL.
- N Spiked sample recovery not within control limits.
- S Reported value was determined by the Method of Standard Additions.
- Duplicate analysis not within control limits.
- W Post digestion spike for Furnace AA analysis out of control limits (85-115%),
while sample absorbance is less than 50% of spike absorbance.
- + Correlation co-efficient for the MSA is less than 0.995.
- E The reported value is estimated because of the presence of interference.
- R Quality Control indicates that data are not usable (compound may or may
not be present). Re-sampling and re-analysis is necessary for verification.
- A line through the value reported and any qualifiers attached indicates that
this data was found to not be "real" as a result of a laboratory audit.

**LEGEND FOR ORGANIC RESULT QUALIFIERS
USED BY THE LABORATORY AND BY THE DATA USERS
FOR DATA VALIDATION**

- U The compound was analyzed for but not detected.
- J The value reported is an estimated concentration. This is used when the compound is detected at an amount less than the quantitation limit or when the value reported is considered suspect based on the findings of a laboratory audit.
- C This is used for pesticide results where identification has been confirmed by GC/MS.
- B The analyte is found in the associated blank as well as in the sample.
- A A TIC is a suspected aldol-condensation product.
- E This flag identifies compounds whose concentrations exceed the calibration range of the GC/MS instrument for that specific analysis.
- F This flag identifies compounds whose concentrations exceed the calibration range of the GC/MS instrument for that specific analysis.
- F This flag identifies a compound whose reported analytical result is calculated from a greater dilution than the primary analysis.
- + This is used to indicate that second column confirmation was positive.
- This is used to indicate second column confirmation was negative.
- A line through the value reported and any qualifiers attached indicates that this data was found to not be "real" as a result of a laboratory audit.
- R Quality Control indicates that data are not usable (compound may or may not be present). Re-sampling and re-analysis is necessary for verification.
- N This qualifier is used with other qualifiers and indicates that "presumptive evidence" exists which further confirms the qualification.

ENGINEERING SCIENCE 133-07

C:R-09.D&F

CUSTOMER ID: BC2-MW1-GU1-ES

metaTRACE LAB ID: AA22811

SAMPLE DATE: 12/04/88

MATRIX: WATER

CATEGORY: SEMI-VOLATILES

METHOD: EPA 8270

UNITS: UG/L

Page No. 1

05/16/89

PARAMETER	DATE_EXT	DATE_AMA	CONC.	ERR	DL	DIL
Phenol	12/09/88	12/15/88	ND		10.00	1.000
bis(2-Chloroethyl) ether	12/09/88	12/15/88	ND		10.00	1.000
2-Chlorophenol	12/09/88	12/15/88	ND		10.00	1.000
1,3-Dichlorobenzene	12/09/88	12/15/88	ND		10.00	1.000
1,4-Dichlorobenzene	12/09/88	12/15/88	ND		10.00	1.000
Benzyl Alcohol	12/09/88	12/15/88	ND		10.00	1.000
1,2-Dichlorobenzene	12/09/88	12/15/88	ND		10.00	1.000
2-Methylphenol	12/09/88	12/15/88	ND		10.00	1.000
bis(2-Chloroisopropyl) ether	12/09/88	12/15/88	ND		10.00	1.000
4-Methylphenol	12/09/88	12/15/88	ND		10.00	1.000
N-Nitroso-Diisopropylamine	12/09/88	12/15/88	ND		10.00	1.000
Hexachloroethane	12/09/88	12/15/88	ND		10.00	1.000
Nitrobenzene	12/09/88	12/15/88	ND		10.00	1.000
Isophorone	12/09/88	12/15/88	ND		10.00	1.000
2-Nitrophenol	12/09/88	12/15/88	ND		50.00	1.000
2,4-Dimethylphenol	12/09/88	12/15/88	ND		10.00	1.000
Benzoic Acid	12/09/88	12/15/88	ND		50.00	1.000
bis(2-Chloroethoxy) methane	12/09/88	12/15/88	ND		10.00	1.000
2,4-Dichlorophenol	12/09/88	12/15/88	ND		10.00	1.000
1,2,4-Trichlorobenzene	12/09/88	12/15/88	ND		10.00	1.000
Naphthalene	12/09/88	12/15/88	ND		10.00	1.000
4-Chloroaniline	12/09/88	12/15/88	ND		10.00	1.000
Hexachlorobutadiene	12/09/88	12/15/88	ND		10.00	1.000
4-Chloro-3-methylphenol	12/09/88	12/15/88	ND		10.00	1.000
2-Methylnaphthalene	12/09/88	12/15/88	ND		10.00	1.000
Hexachlorocyclopentadiene	12/09/88	12/15/88	ND		10.00	1.000
2,4,6-Trichlorophenol	12/09/88	12/15/88	ND		10.00	1.000
2,4,5-Trichlorophenol	12/09/88	12/15/88	ND		50.00	1.000
2-Chloronaphthalene	12/09/88	12/15/88	ND		10.00	1.000
2-Nitroaniline	12/09/88	12/15/88	ND		50.00	1.000
Dimethyl Phthalate	12/09/88	12/15/88	ND		10.00	1.000
Acenaphthylene	12/09/88	12/15/88	ND		10.00	1.000
2,6-Dinitrotoluene	12/09/88	12/15/88	ND		10.00	1.000
3-Nitroaniline	12/09/88	12/15/88	ND		50.00	1.000
Acenaphthene	12/09/88	12/15/88	ND		10.00	1.000
2,4-Dinitrophenol	12/09/88	12/15/88	ND		50.00	1.000
4-Nitrophenol	12/09/88	12/15/88	ND		50.00	1.000
Dibenzofuran	12/09/88	12/15/88	ND		10.00	1.000
2,4-Dinitrotoluene	12/09/88	12/15/88	ND		10.00	1.000
Diethylphthalate	12/09/88	12/15/88	ND		10.00	1.000
4-Chlorophenyl Phenyl Ether	12/09/88	12/15/88	ND		10.00	1.000
Fluorene	12/09/88	12/15/88	ND		10.00	1.000
4-Nitroaniline	12/09/88	12/15/88	ND		50.00	1.000

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05/16/89

PARAMETER	DATE_EXT	DATE_AMA	CONC.	ERR	DL	DIL
4,6-Dinitro-2-methylphenol	12/09/88	12/15/88	ND		50.00	1.000
N-nitrosodiphenylamine	12/09/88	12/15/88	ND		10.00	1.000
4-Bromophenyl Phenyl ether	12/09/88	12/15/88	ND		10.00	1.000
Hexachlorobenzene	12/09/88	12/15/88	ND		10.00	1.000
Pentachlorophenol	12/09/88	12/15/88	ND		50.00	1.000
Phenanthrene	12/09/88	12/15/88	ND		10.00	1.000
Anthracene	12/09/88	12/15/88	ND		10.00	1.000
Di-n-butylphthalate	12/09/88	12/15/88	ND		10.00	1.000
Fluoranthene	12/09/88	12/15/88	ND		10.00	1.000
Pyrene	12/09/88	12/15/88	ND		10.00	1.000
Butyl Benzyl Phthalate	12/09/88	12/15/88	ND		10.00	1.000
3,3'-Dichlorobenzidine	12/09/88	12/15/88	ND		20.00	1.000
Benzo(a)anthracene	12/09/88	12/15/88	ND		10.00	1.000
Chrysene	12/09/88	12/15/88	ND		10.00	1.000
bis(2-ethylhexyl)phthalate	12/09/88	12/15/88	ND		10.00	1.000
Di-n-octyl Phthalate	12/09/88	12/15/88	ND		10.00	1.000
Benzo(b)fluoranthene	12/09/88	12/15/88	ND		10.00	1.000
Benzo(k)fluoranthene	12/09/88	12/15/88	ND		10.00	1.000
Benzo(a)pyrene	12/09/88	12/15/88	ND		10.00	1.000

ENGINEERING SCIENCE 135-07

C:\R-09.DBF

CUSTOMER ID: BC2-MJ1-GJ1-ES

metaTRACE LAB ID: AA22811

SAMPLE DATE: 12/04/88

MATRIX: WATER

CATEGORY: HALOGENATED VOA

METHOD: 846010

UNITS: UG/L

Page No. 1

05/16/89

PARAMETER	DATE_EXT	DATE_AMA	CONC.	ERR	DL	DIL
BIS(2-CHLOROETHOXY) METHANE	NA	12/08/88	ND		0.50	1.000
BIS(2-CHLOROISOPROPYL) ETHER	NA	12/08/88	ND		0.80	1.000
BROMODICHLOROMETHANE	NA	12/08/88	ND		0.10	1.000
BROMOFORM	NA	12/08/88	ND		1.00	1.000
BROMOMETHANE	NA	12/08/88	ND		1.20	1.000
CARBON TETRACHLORIDE	NA	12/08/88	ND		0.60	1.000
CHLOROBENZENE	NA	12/08/88	ND		1.25	1.000
CHLOROETHANE	NA	12/08/88	ND		0.52	1.000
CHLOROFORM	NA	12/08/88	0.09	-	0.25	1.000
2-CHLOROETHYL VINYL ETHER	NA	12/08/88	ND		0.13	1.000
CHLOROMETHANE	NA	12/08/88	0.38	-	0.08	1.000
DIBROMOCHLOROMETHANE	NA	12/08/88	ND		0.45	1.000
1,2-DICHLOROBENZENE	NA	12/08/88	ND		0.75	1.000
1,3-DICHLOROBENZENE	NA	12/08/88	ND		1.60	1.000
1,4-DICHLOROBENZENE	NA	12/08/88	ND		1.20	1.000
1,1-DICHLOROETHANE	NA	12/08/88	ND		0.70	1.000
1,2-DICHLOROETHANE	NA	12/08/88	0.16	+	0.15	1.000
1,1-DICHLOROETHENE	NA	12/08/88	ND		0.65	1.000
TRANS-1,2-DICHLOROETHENE	NA	12/08/88	0.17	-	0.50	1.000
DICHLOROMETHANE	NA	12/08/88	ND		1.25	1.000
1,2-DICHLOROPROPANE	NA	12/08/88	ND		0.04	1.000
TRANS-1,3-DICHLOROPROPENE	NA	12/08/88	ND		0.20	1.000
1,1,2,2-TETRACHLOROETHANE	NA	12/08/88	ND		0.15	1.000
TETRACHLOROETHENE	NA	12/08/88	0.72	-	0.15	1.000
1,1,1-TRICHLOROETHANE	NA	12/08/88	0.54	+	0.15	1.000
1,1,2-TRICHLOROETHANE	NA	12/08/88	ND		0.10	1.000
TRICHLOROETHENE	NA	12/08/88	0.41	+	0.60	1.000
TRICHLOROFLUOROMETHANE	NA	12/08/88	ND		0.50	1.000
VINYL CHLORIDE	NA	12/08/88	ND		0.18	1.000

ENGINEERING SCIENCE 135-07

C:\R-09.DBF

CUSTOMER ID: BC2-MW1-GW1-ES

metaTRACE LAB ID: AA22811

SAMPLE DATE: 12/04/88

MATRIX: WATER

CATEGORY: AROMATIC VOA

METHOD: SUB020

UNITS: UG/L

Page No. 1

05/16/89

PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	DIL
BENZENE	NA	12/08/88	0.47	-	0.20	1.000
CHLOROBENZENE	NA	12/08/88	0.20	-	0.20	1.000
1,2-DICHLOROBENZENE	NA	12/08/88	0.93	-	0.40	1.000
1,3-DICHLOROBENZENE	NA	12/08/88	ND		0.40	1.000
1,4-DICHLOROBENZENE	NA	12/08/88	ND		0.30	1.000
ETHYL BENZENE	NA	12/08/88	ND		0.20	1.000
TOLUENE	NA	12/08/88	0.48		0.20	1.000
O-XYLENE	NA	12/08/88	1.16	+	0.20	1.000
M-XYLENE	NA	12/08/88	0.58	-	0.20	1.000
P-XYLENE	NA	12/08/88	ND		0.20	1.000

ENGINEERING SCIENCE 135-07

C:R-09.88F

CUSTOMER ID: 8C2-MW1-QW1-ES

metaTRACE LAB ID: AA22811

SAMPLE DATE: 12/04/88

MATRIX: WATER

CATEGORY: PP_METALS

METHOD: EPA 6010

UNITS: UG/L

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05/16/89

PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	DIL
Antimony	NA	01/30/89	ND		60.00	1.000
Arsenic	NA	01/30/89	ND		10.00	1.000
Beryllium	NA	01/30/89	ND		5.00	1.000
Cadmium	NA	01/30/89	ND		5.00	1.000
Chromium	NA	01/30/89	ND		10.00	1.000
Copper	NA	01/30/89	ND		25.00	1.000
Lead	NA	01/03/89	16.10		5.00	1.000
Mercury	NA	12/15/88	0.57		0.20	1.000
Nickel	NA	01/30/89	ND		40.00	1.000
Selenium	NA	01/30/89	ND		5.00	1.000
Silver	NA	01/30/89	ND		10.00	1.000
Thallium	NA	01/30/89	ND		10.00	1.000
Zinc	NA	01/30/89	62.70		20.00	1.000

ENGINEERING SCIENCE 135-07

C:\R-098.D0P

CUSTOMER ID: BC3-MW1-GW1-ES

metaTRACE LAB ID: AA22826

SAMPLE DATE: 12/05/88

MATRIX: WATER

CATEGORY: SEMI-VOLATILES

METHOD: EPA 8270

UNITS: UG/L

Page No. 1

05/16/89

PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	OIL
Phenol	12/09/88	12/23/88	ND		10.00	1.000
bis(2-Chloroethyl) ether	12/09/88	12/23/88	ND		10.00	1.000
2-Chlorophenol	12/09/88	12/23/88	ND		10.00	1.000
1,3-Dichlorobenzene	12/09/88	12/23/88	ND		10.00	1.000
1,4-Dichlorobenzene	12/09/88	12/23/88	ND		10.00	1.000
Benzyl Alcohol	12/09/88	12/23/88	ND		10.00	1.000
1,2-Dichlorobenzene	12/09/88	12/23/88	ND		10.00	1.000
2-Methylphenol	12/09/88	12/23/88	ND		10.00	1.000
bis(2-Chloroisopropyl) ether	12/09/88	12/23/88	ND		10.00	1.000
4-Methylphenol	12/09/88	12/23/88	ND		10.00	1.000
N-Nitroso-Diisopropylamine	12/09/88	12/23/88	ND		10.00	1.000
Hexachloroethane	12/09/88	12/23/88	ND		10.00	1.000
Nitrobenzene	12/09/88	12/23/88	ND		10.00	1.000
Isophorone	12/09/88	12/23/88	ND		10.00	1.000
2-Nitrophenol	12/09/88	12/23/88	ND		50.00	1.000
2,4-Dimethylphenol	12/09/88	12/23/88	ND		10.00	1.000
Benzoic Acid	12/09/88	12/23/88	ND		50.00	1.000
bis(2-Chloroethoxy) methane	12/09/88	12/23/88	ND		10.00	1.000
2,4-Dichlorophenol	12/09/88	12/23/88	ND		10.00	1.000
1,2,4-Trichlorobenzene	12/09/88	12/23/88	ND		10.00	1.000
Naphthalene	12/09/88	12/23/88	ND		10.00	1.000
4-Chloroaniline	12/09/88	12/23/88	ND		10.00	1.000
Hexachlorobutadiene	12/09/88	12/23/88	ND		10.00	1.000
4-Chloro-3-methylphenol	12/09/88	12/23/88	ND		10.00	1.000
2-Methylnaphthalene	12/09/88	12/23/88	ND		10.00	1.000
Hexachlorocyclopentadiene	12/09/88	12/23/88	ND		10.00	1.000
2,4,6-Trichlorophenol	12/09/88	12/23/88	ND		10.00	1.000
2,4,5-Trichlorophenol	12/09/88	12/23/88	ND		50.00	1.000
2-Chloronaphthalene	12/09/88	12/23/88	ND		10.00	1.000
2-Nitroaniline	12/09/88	12/23/88	ND		50.00	1.000
Dimethyl Phthalate	12/09/88	12/23/88	ND		10.00	1.000
Acenaphthylene	12/09/88	12/23/88	ND		10.00	1.000
2,6-Dinitroresorcinol	12/09/88	12/23/88	ND		10.00	1.000
3-Nitroaniline	12/09/88	12/23/88	ND		50.00	1.000
Acenaphthene	12/09/88	12/23/88	ND		10.00	1.000
2,6-Dinitrophenol	12/09/88	12/23/88	ND		50.00	1.000
4-Nitrophenol	12/09/88	12/23/88	ND		50.00	1.000
Dibenzofuran	12/09/88	12/23/88	ND		10.00	1.000
2,6-Dinitroresorcinol	12/09/88	12/23/88	ND		10.00	1.000
Dichlorophthalate	12/09/88	12/23/88	ND		10.00	1.000
4-Chlorophenyl Phenyl Ether	12/09/88	12/23/88	ND		10.00	1.000
Fluorene	12/09/88	12/23/88	ND		10.00	1.000
4-Nitroaniline	12/09/88	12/23/88	ND		50.00	1.000

Page No. 2
03/14/89

PARAMETER	DATE_EXT	DATE_AMA	CONC.	ERR	DL	DIL
4,6-Dinitro-2-methylphenol	12/09/88	12/23/88	ND		50.00	1.000
N-nitrosodiphenylamine	12/09/88	12/23/88	ND		10.00	1.000
4-Bromophenyl Phenyl ether	12/09/88	12/23/88	ND		10.00	1.000
Hexachlorobenzene	12/09/88	12/23/88	ND		10.00	1.000
Pentachlorophenol	12/09/88	12/23/88	ND		50.00	1.000
Phenanthrene	12/09/88	12/23/88	ND		10.00	1.000
Anthracene	12/09/88	12/23/88	ND		10.00	1.000
Di-n-butylphthalate	12/09/88	12/23/88	ND		10.00	1.000
Fluoranthene	12/09/88	12/23/88	ND		10.00	1.000
Pyrene	12/09/88	12/23/88	ND		10.00	1.000
Butyl Benzyl Phthalate	12/09/88	12/23/88	ND		10.00	1.000
3,3'-Dichlorobenzidine	12/09/88	12/23/88	ND		20.00	1.000
Benzo(a)anthracene	12/09/88	12/23/88	ND		10.00	1.000
Chrysene	12/09/88	12/23/88	ND		10.00	1.000
bis(2-ethylhexyl)phthalate	12/09/88	12/23/88	ND		10.00	1.000
Di-n-octyl Phthalate	12/09/88	12/23/88	ND		10.00	1.000
Benzo(b)fluoranthene	12/09/88	12/23/88	ND		10.00	1.000
Benzo(k)fluoranthene	12/09/88	12/23/88	ND		10.00	1.000
Benzo(a)pyrene	12/09/88	12/23/88	ND		10.00	1.000

ENGINEERING SCIENCE 135-07

C:\R-09E.DBF

CUSTOMER ID: 8C3-MW1-GW1-ES

metaTRACE LAB ID: AA22826

SAMPLE DATE: 12/05/88

MATRIX: WATER

CATEGORY: HALOGENATED VOA

METHOD: SW8010

UNITS: UG/L

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05/16/89

PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	DIL
BIS(2-CHLOROETHOXY) METHANE	NA	12/08/89	ND		0.50	1.000
BIS(2-CHLOROISOPROPYL) ETHER	NA	12/08/89	ND		0.80	1.000
BROMODICHLOROMETHANE	NA	12/08/89	ND		0.10	1.000
BROMOFORM	NA	12/08/89	ND		1.00	1.000
BROMOMETHANE	NA	12/08/89	ND		1.20	1.000
CARBON TETRACHLORIDE	NA	12/08/89	0.14	+	0.60	1.000
CHLOROBENZENE	NA	12/08/89	ND		1.25	1.000
CHLOROETHANE	NA	12/08/89	ND		0.52	1.000
CHLOROFORM	NA	12/08/89	0.19		0.25	1.000
2-CHLOROETHYL VINYL ETHER	NA	12/08/89	ND		0.13	1.000
CHLOROMETHANE	NA	12/08/89	0.76	+	0.08	1.000
DIBROMOCHLOROMETHANE	NA	12/08/89	ND		0.45	1.000
1,2-DICHLOROBENZENE	NA	12/08/89	ND		0.75	1.000
1,3-DICHLOROBENZENE	NA	12/08/89	ND		1.60	1.000
1,4-DICHLOROBENZENE	NA	12/08/89	ND		1.20	1.000
1,1-DICHLOROETHANE	NA	12/08/89	ND		0.70	1.000
1,2-DICHLOROETHANE	NA	12/08/89	ND		0.15	1.000
1,1-DICHLOROETHENE	NA	12/08/89	ND		0.65	1.000
TRANS-1,2-DICHLOROETHENE	NA	12/08/89	ND		0.50	1.000
DICHLOROMETHANE	NA	12/08/89	ND		1.25	1.000
1,2-DICHLOROPROPANE	NA	12/08/89	0.07		0.04	1.000
TRANS-1,3-DICHLOROPROPENE	NA	12/08/89	ND		0.20	1.000
1,1,2,2-TETRACHLOROETHANE	NA	12/08/89	ND		0.15	1.000
TETRACHLOROETHENE	NA	12/08/89	0.05		0.15	1.000
1,1,1-TRICHLOROETHANE	NA	12/08/89	0.99		0.15	1.000
1,1,2-TRICHLOROETHANE	NA	12/08/89	ND		0.10	1.000
TRICHLOROETHENE	NA	12/08/89	ND		0.60	1.000
TRICHLOROFLUOROMETHANE	NA	12/08/89	ND		0.50	1.000
VINYL CHLORIDE	NA	12/08/89	ND		0.18	1.000

ENGINEERING SCIENCE 135-07

C:\R-096.DDF

CUSTOMER ID: BC3-MW1-GW1-ES

metaTRACE LAB ID: AA22826

SAMPLE DATE: 12/05/88

MATRIX: WATER

CATEGORY: AROMATIC VOC

METHOD: SM8020

UNITS: UG/L

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05/16/89

PARAMETER	DATE_EXT	DATE_AMA	CONC.	ERR	DL	DIL
BENZENE	NA	12/08/88	ND		0.20	1.000
CHLOROBENZENE	NA	12/08/88	ND		0.20	1.000
1,2-DICHLOROBENZENE	NA	12/08/88	ND		0.40	1.000
1,3-DICHLOROBENZENE	NA	12/08/88	ND		0.40	1.000
1,4-DICHLOROBENZENE	NA	12/08/88	ND		0.30	1.000
ETHYL BENZENE	NA	12/08/88	ND		0.20	1.000
TOLUENE	NA	12/08/88	0.25		0.20	1.000
O-XYLENE	NA	12/08/88	ND		0.20	1.000
M-XYLENE	NA	12/08/88	ND		0.20	1.000
P-XYLENE	NA	12/08/88	ND		0.20	1.000

ENGINEERING SCIENCE 135-07

C:\R-098.DDF

CUSTOMER ID: BCS-MW1-GW1-ES

metaTRACE LAB ID: AA22826

SAMPLE DATE: 12/05/88

MATRIX: WATER

CATEGORY: PP_METALS

METHOD: EPA 6010

UNITS: UG/L

Page No. 1

05/16/89

PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	DIL
Antimony	NA	01/30/89	ND		60.00	1.000
Arsenic	NA	01/30/89	ND		10.00	1.000
Beryllium	NA	01/30/89	ND		5.00	1.000
Cadmium	NA	01/30/89	ND		5.00	1.000
Chromium	NA	01/30/89	ND		10.00	1.000
Copper	NA	01/30/89	100.00		25.00	1.000
Lead	NA	01/03/89	11.40		5.00	1.000
Mercury	NA	12/16/88	0.00		0.20	1.000
Nickel	NA	01/30/89	ND		40.00	1.000
Selenium	NA	01/30/89	ND		5.00	1.000
Silver	NA	01/30/89	ND		10.00	1.000
Thallium	NA	01/30/89	ND		10.00	1.000
Zinc	NA	01/30/89	200.00		20.00	1.000

ENGINEERING SCIENCE 135-67

V:\0022_007

CUSTOMER ID: MCS-002-SU1-ES

netTRACE LAB ID: AA22823

SAMPLE DATE: 12/05/88

MATRIX: WATER

CATEGORY: SEMI-VOLATILES

METHOD: EPA 8270

UNITS: ug/L

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02/03/99

PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	DIL
Phenol	12/09/88	12/23/88	ND		10.00	1.000
bis(2-Chloroethyl) ether	12/09/88	12/23/88	ND		10.00	1.000
2-Chlorophenol	12/09/88	12/23/88	ND		10.00	1.000
1,3-Dichlorobenzene	12/09/88	12/23/88	ND		10.00	1.000
1,4-Dichlorobenzene	12/09/88	12/23/88	ND		10.00	1.000
Benzyl Alcohol	12/09/88	12/23/88	ND		10.00	1.000
1,2-Dichlorobenzene	12/09/88	12/23/88	ND		10.00	1.000
2-Nitrophenol	12/09/88	12/23/88	ND		10.00	1.000
bis(2-Chloroisopropyl) ether	12/09/88	12/23/88	ND		10.00	1.000
4-Nitrophenol	12/09/88	12/23/88	8.00	J	10.00	1.000
N-Nitroso-Diisopropylamine	12/09/88	12/23/88	ND		10.00	1.000
Hexachlorocyclopentadiene	12/09/88	12/23/88	ND		10.00	1.000
Nitrobenzene	12/09/88	12/23/88	ND		10.00	1.000
Isophorene	12/09/88	12/23/88	ND		10.00	1.000
2-Nitrophenol	12/09/88	12/23/88	ND		50.00	1.000
2,4-Dimethylphenol	12/09/88	12/23/88	ND		10.00	1.000
Succinic Acid	12/09/88	12/23/88	24.00	J	50.00	1.000
bis(2-Chloroethyl) methane	12/09/88	12/23/88	ND		10.00	1.000
2,4-Dichlorophenol	12/09/88	12/23/88	ND		10.00	1.000
1,2,4-Trichlorobenzene	12/09/88	12/23/88	ND		10.00	1.000
Naphthalene	12/09/88	12/23/88	13.00	J	10.00	1.000
4-Chloroaniline	12/09/88	12/23/88	23.00	R	10.00	1.000
Hexachlorobutadiene	12/09/88	12/23/88	ND		10.00	1.000
4-Chloro-3-methylphenol	12/09/88	12/23/88	ND		10.00	1.000
2-Nitrofluorene	12/09/88	12/23/88	4.00	J	10.00	1.000
Hexachlorocyclopentadiene	12/09/88	12/23/88	ND		10.00	1.000
2,4,6-Trichlorophenol	12/09/88	12/23/88	ND		10.00	1.000
2,4,5-Trichlorophenol	12/09/88	12/23/88	ND		50.00	1.000
2-Chloronaphthalene	12/09/88	12/23/88	ND		10.00	1.000
2-Nitroaniline	12/09/88	12/23/88	ND		50.00	1.000
Diethyl Phthalate	12/09/88	12/23/88	ND		10.00	1.000
Acenaphthylene	12/09/88	12/23/88	ND		10.00	1.000
2,6-Dinitrochlorobenzene	12/09/88	12/23/88	ND		10.00	1.000
3-Nitroaniline	12/09/88	12/23/88	ND		50.00	1.000
Acenaphthene	12/09/88	12/23/88	ND		10.00	1.000
2,4-Dinitrophenol	12/09/88	12/23/88	ND		50.00	1.000
4-Nitrophenol	12/09/88	12/23/88	ND		50.00	1.000
Dibenzofuran	12/09/88	12/23/88	ND		10.00	1.000
2,4-Dinitrochlorobenzene	12/09/88	12/23/88	ND		10.00	1.000
Diethylphthalate	12/09/88	12/23/88	ND		10.00	1.000
4-Chlorophenyl Phenyl Ether	12/09/88	12/23/88	ND		10.00	1.000
Fluorene	12/09/88	12/23/88	ND		10.00	1.000
4-Nitroaniline	12/09/88	12/23/88	ND		50.00	1.000

PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	QIL
4,6-Dinitro-2-methylphenol	12/09/88	12/23/88	ND		50.00	1.000
8-nitrosodiphenylamine	12/09/88	12/23/88	ND		10.00	1.000
4-Bromophenyl Phenyl ether	12/09/88	12/23/88	ND		10.00	1.000
Hexachlorobenzene	12/09/88	12/23/88	ND		10.00	1.000
Pentachlorophenol	12/09/88	12/23/88	ND		50.00	1.000
Phenanthrene	12/09/88	12/23/88	ND		10.00	1.000
Anthracene	12/09/88	12/23/88	ND		10.00	1.000
Di-n-butylphthalate	12/09/88	12/23/88	ND		10.00	1.000
Fluoranthene	12/09/88	12/23/88	ND		10.00	1.000
Pyrene	12/09/88	12/23/88	ND		10.00	1.000
Butyl Benzyl Phthalate	12/09/88	12/23/88	ND		10.00	1.000
3,3'-Dichlorobenzidine	12/09/88	12/23/88	ND		20.00	1.000
Benzo(e)anthracene	12/09/88	12/23/88	ND		10.00	1.000
Chrysene	12/09/88	12/23/88	ND		10.00	1.000
bis(2-ethylhexyl)phthalate	12/09/88	12/23/88	0.00		10.00	1.000
Di-n-octyl Phthalate	12/09/88	12/23/88	ND		10.00	1.000
Benzo(b)fluoranthene	12/09/88	12/23/88	ND		10.00	1.000
Benzo(k)fluoranthene	12/09/88	12/23/88	ND		10.00	1.000
Benzo(a)pyrene	12/09/88	12/23/88	ND		10.00	1.000

ENGINEERING SCIENCE 135-07

C:\R-090.D0F

CUSTOMER ID: BCS-MQ2-041-ES

metaTRACE LAB ID: AA22823

SAMPLE DATE: 12/05/88

MATRIX: WATER

CATEGORY: HALOGENATED VOA

METHOD: SUB010

UNITS: UG/L

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05/16/89

PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	DIL
BIS(2-CHLOROETHOXY) METHANE	NA	12/08/88	ND		0.50	1.000
BIS(2-CHLOROISOPROPYL) ETHER	NA	12/08/88	ND		0.80	1.000
BROMODICHLOROMETHANE	NA	12/08/88	ND		0.10	1.000
BROMOFORM	NA	12/08/88	ND		1.00	1.000
BROMOMETHANE	NA	12/08/88	ND		1.20	1.000
CARBON TETRACHLORIDE	NA	12/08/88	ND		0.60	1.000
CHLOROBENZENE	NA	12/08/88	ND		1.25	1.000
CHLOROETHANE	NA	12/08/88	ND		0.52	1.000
CHLOROFORM	NA	12/08/88	ND		0.25	1.000
2-CHLOROETHYL VINYL ETHER	NA	12/08/88	0.42	-	0.13	1.000
CHLOROMETHANE	NA	12/08/88	0.51	-	0.08	1.000
DIBROMOCHLOROMETHANE	NA	12/08/88	ND		0.45	1.000
1,2-DICHLOROBENZENE	NA	12/08/88	ND		0.75	1.000
1,3-DICHLOROBENZENE	NA	12/08/88	ND		1.60	1.000
1,4-DICHLOROBENZENE	NA	12/08/88	ND		1.20	1.000
1,1-DICHLOROETHANE	NA	12/08/88	0.67	-	0.70	1.000
1,2-DICHLOROETHANE	NA	12/08/88	ND		0.15	1.000
1,1-DICHLOROETHENE	NA	12/08/88	ND		0.65	1.000
TRANS-1,2-DICHLOROETHENE	NA	12/08/88	ND		0.50	1.000
DICHLOROMETHANE	NA	12/08/88	ND		1.25	1.000
1,2-DICHLOROPROPANE	NA	12/08/88	ND		0.04	1.000
TRANS-1,3-DICHLOROPROPENE	NA	12/08/88	ND		0.20	1.000
1,1,2,2-TETRACHLOROETHANE	NA	12/08/88	ND		0.15	1.000
TETRACHLOROETHENE	NA	12/08/88	0.03	-	0.15	1.000
1,1,1-TRICHLOROETHANE	NA	12/08/88	2.05		0.15	1.000
1,1,2-TRICHLOROETHANE	NA	12/08/88	ND		0.10	1.000
TRICHLOROETHENE	NA	12/08/88	12.54	+	0.60	1.000
TRICHLOROFLUOROMETHANE	NA	12/08/88	ND		0.50	1.000
VINYL CHLORIDE	NA	12/08/88	ND		0.18	1.000

ENGINEERING SCIENCE 135-07

C:R-090.087

CUSTOMER ID: BC3-M2-GU1-ES

metaTRACE LAB ID: AA22823

SAMPLE DATE: 12/05/88

MATRIX: WATER

CATEGORY: AROMATIC VOA

METHOD: SM8020

UNITS: UG/L

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PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	OIL
BENZENE	NA	12/08/88	15.70	+	0.20	1.000
CHLOROBENZENE	NA	12/08/88	0.23	+	0.20	1.000
1,2-DICHLOROBENZENE	NA	12/08/88	ND		0.40	1.000
1,3-DICHLOROBENZENE	NA	12/08/88	ND		0.40	1.000
1,4-DICHLOROBENZENE	NA	12/08/88	ND		0.30	1.000
ETHYL BENZENE	NA	12/08/88	9.59	+	0.20	1.000
TOLUENE	NA	12/08/88	49.10	+	0.20	1.000
O-XYLENE	NA	12/08/88	37.18	+	0.20	1.000
M-XYLENE	NA	12/08/88	69.71	-	0.20	1.000
P-XYLENE	NA	12/08/88	ND		0.20	1.000

ENGINEERING SCIENCE 135-07

C:R-090.D89

CUSTOMER ID: 0C3-M42-GW1-E8

metaTRACE LAB ID: AA22823

SAMPLE DATE: 12/05/88

MATRIX: WATER

CATEGORY: PP_METALS

METHOD: EPA 6010

UNITS: UG/L

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05/16/89

PARAMETER	DATE_EXT	DATE_AMA	CONC.	ERR	DL	DIL
Antimony	NA	01/30/89	ND		60.00	1.000
Arsenic	NA	01/30/89	ND		10.00	1.000
Beryllium	NA	01/30/89	ND		5.00	1.000
Cadmium	NA	01/30/89	ND		5.00	1.000
Chromium	NA	01/30/89	ND		10.00	1.000
Copper	NA	01/30/89	ND		25.00	1.000
Lead	NA	01/03/89	13.30		5.00	1.000
Mercury	NA	12/16/88	0.36		0.20	1.000
Nickel	NA	01/30/89	ND		40.00	1.000
Selenium	NA	01/30/89	ND		5.00	1.000
Silver	NA	01/30/89	ND		10.00	1.000
Thallium	NA	01/30/89	ND		10.00	1.000
Zinc	NA	01/30/89	354.00		20.00	1.000

ENGINEERING SCIENCE 135-07

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CUSTOMER ID: BCS-MUS-GM1-ES

metaTRACE LAB ID: AA22824

SAMPLE DATE: 12/05/88

MATRIX: WATER

CATEGORY: SEMI-VOLATILES

METHOD: EPA 8270

UNITS: UG/L

Page No. 1
08/03/89

PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	DIL
Phenol	12/09/88	12/23/88	ND		10.00	1.000
bis(2-Chloroethyl) ether	12/09/88	12/23/88	ND		10.00	1.000
2-Chlorophenol	12/09/88	12/23/88	ND		10.00	1.000
1,3-Dichlorobenzene	12/09/88	12/23/88	ND		10.00	1.000
1,4-Dichlorobenzene	12/09/88	12/23/88	ND		10.00	1.000
Benzyl Alcohol	12/09/88	12/23/88	ND		10.00	1.000
1,2-Dichlorobenzene	12/09/88	12/23/88	ND		10.00	1.000
2-Methylphenol	12/09/88	12/23/88	ND		10.00	1.000
bis(2-Chloroisopropyl) ether	12/09/88	12/23/88	ND		10.00	1.000
4-Methylphenol	12/09/88	12/23/88	ND		10.00	1.000
N-Nitroso-Diisopropylamine	12/09/88	12/23/88	ND		10.00	1.000
Hexachloroethane	12/09/88	12/23/88	ND		10.00	1.000
Nitrobenzene	12/09/88	12/23/88	ND		10.00	1.000
Isophenol	12/09/88	12/23/88	ND		10.00	1.000
2-Nitrophenol	12/09/88	12/23/88	ND		50.00	1.000
2,4-Dimethylphenol	12/09/88	12/23/88	ND		10.00	1.000
Benzoic Acid	12/09/88	12/23/88	ND		50.00	1.000
bis(2-Chloroethoxy) methane	12/09/88	12/23/88	ND		10.00	1.000
2,4-Dichlorophenol	12/09/88	12/23/88	ND		10.00	1.000
1,2,4-Trichlorobenzene	12/09/88	12/23/88	ND		10.00	1.000
Naphthalene	12/09/88	12/23/88	ND		10.00	1.000
4-Chloroaniline	12/09/88	12/23/88	ND		10.00	1.000
Hexachlorobutadiene	12/09/88	12/23/88	ND		10.00	1.000
4-Chloro-3-methylphenol	12/09/88	12/23/88	ND		10.00	1.000
2-Methylnaphthalene	12/09/88	12/23/88	ND		10.00	1.000
Hexachlorocyclopentadiene	12/09/88	12/23/88	ND		10.00	1.000
2,4,6-Trichlorophenol	12/09/88	12/23/88	ND		10.00	1.000
2,4,5-Trichlorophenol	12/09/88	12/23/88	ND		50.00	1.000
2-Chloronaphthalene	12/09/88	12/23/88	ND		10.00	1.000
2-Nitroaniline	12/09/88	12/23/88	ND		50.00	1.000
Dimethyl Phthalate	12/09/88	12/23/88	ND		10.00	1.000
Acenaphthylene	12/09/88	12/23/88	ND		10.00	1.000
2,6-Dinitrotoluene	12/09/88	12/23/88	ND		10.00	1.000
3-Nitroaniline	12/09/88	12/23/88	ND		50.00	1.000
Acenaphthene	12/09/88	12/23/88	ND		10.00	1.000
2,4-Dinitrophenol	12/09/88	12/23/88	ND		50.00	1.000
4-Nitrophenol	12/09/88	12/23/88	ND		50.00	1.000
Dibenzofuran	12/09/88	12/23/88	ND		10.00	1.000
2,4-Dinitrotoluene	12/09/88	12/23/88	ND		10.00	1.000
Diethylphthalate	12/09/88	12/23/88	ND		10.00	1.000
4-Chlorophenyl Phenyl Ether	12/09/88	12/23/88	ND		10.00	1.000
Fluorene	12/09/88	12/23/88	ND		10.00	1.000
4-Nitroaniline	12/09/88	12/23/88	ND		50.00	1.000

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08/03/99

PARAMETER	DATE_EXT	DATE_AMA	CONC.	ERR	SL	DIL
4,6-Dinitro-2-methylphenol	12/09/88	12/23/88	ND		50.00	1.000
8-nitrosodiphenylamine	12/09/88	12/23/88	ND		10.00	1.000
4-Bromophenyl Phenyl ether	12/09/88	12/23/88	ND		10.00	1.000
Hexachlorobenzene	12/09/88	12/23/88	ND		10.00	1.000
Pentachlorophenol	12/09/88	12/23/88	ND		50.00	1.000
Phenanthrene	12/09/88	12/23/88	ND		10.00	1.000
Anthracene	12/09/88	12/23/88	ND		10.00	1.000
Di-n-butylphthalate	12/09/88	12/23/88	ND		10.00	1.000
Fluoranthene	12/09/88	12/23/88	ND		10.00	1.000
Pyrene	12/09/88	12/23/88	ND		10.00	1.000
Butyl Benzyl Phthalate	12/09/88	12/23/88	ND		10.00	1.000
3,3'-Dichlorobenzidine	12/09/88	12/23/88	ND		20.00	1.000
Benzo(e)anthracene	12/09/88	12/23/88	ND		10.00	1.000
Chrysene	12/09/88	12/23/88	ND		10.00	1.000
bis(2-ethylhexyl)phthalate	12/09/88	12/23/88	1.00		10.00	1.000
Di-n-octyl Phthalate	12/09/88	12/23/88	ND		10.00	1.000
Benzo(b)fluoranthene	12/09/88	12/23/88	ND		10.00	1.000
Benzo(k)fluoranthene	12/09/88	12/23/88	ND		10.00	1.000
Benzo(e)pyrene	12/09/88	12/23/88	ND		10.00	1.000

ENGINEERING SCIENCE 135-07

C:\R-070.D07

CUSTOMER ID: BCS-MIS-GW1-ES

metaTRACE LAB ID: AA22824

SAMPLE DATE: 12/05/88

MATRIX: WATER

CATEGORY: HALOGENATED VOC

METHOD: SUB010

UNITS: UG/L

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05/16/89

PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	DIL
BIS(2-CHLOROETHOXY) METHANE	NA	12/08/88	ND		0.50	1.000
BIS(2-CHLOROISOPROPYL) ETHER	NA	12/08/88	ND		0.80	1.000
BROMODICHLOROMETHANE	NA	12/08/88	ND		0.10	1.000
BROMOFORM	NA	12/08/88	ND		1.00	1.000
BROMOMETHANE	NA	12/08/88	ND		1.20	1.000
CARBON TETRACHLORIDE	NA	12/08/88	ND		0.60	1.000
CHLOROBENZENE	NA	12/08/88	ND		1.25	1.000
CHLOROETHANE	NA	12/08/88	ND		0.52	1.000
CHLOROFORM	NA	12/08/88	0.21		0.25	1.000
2-CHLOROETHYL VINYL ETHER	NA	12/08/88	ND		0.13	1.000
CHLOROMETHANE	NA	12/08/88	0.41		0.08	1.000
DIBROMOCHLOROMETHANE	NA	12/08/88	ND		0.45	1.000
1,2-DICHLOROBENZENE	NA	12/08/88	ND		0.75	1.000
1,3-DICHLOROBENZENE	NA	12/08/88	ND		1.60	1.000
1,4-DICHLOROBENZENE	NA	12/08/88	ND		1.20	1.000
1,1-DICHLOROETHANE	NA	12/08/88	ND		0.70	1.000
1,2-DICHLOROETHANE	NA	12/08/88	ND		0.15	1.000
1,1-DICHLOROETHENE	NA	12/08/88	ND		0.65	1.000
TRANS-1,2-DICHLOROETHENE	NA	12/08/88	0.20		0.50	1.000
DICHLOROETHANE	NA	12/08/88	ND		1.25	1.000
1,2-DICHLOROPROPANE	NA	12/08/88	ND		0.04	1.000
TRANS-1,3-DICHLOROPROPENE	NA	12/08/88	ND		0.20	1.000
1,1,2,2-TETRACHLOROETHANE	NA	12/08/88	ND		0.15	1.000
TETRACHLOROETHENE	NA	12/08/88	ND		0.15	1.000
1,1,1-TRICHLOROETHANE	NA	12/08/88	0.99		0.15	1.000
1,1,2-TRICHLOROETHANE	NA	12/08/88	ND		0.10	1.000
TRICHLOROETHENE	NA	12/08/88	0.16		0.60	1.000
TRICHLOROFLUOROETHANE	NA	12/08/88	ND		0.50	1.000
VINYL CHLORIDE	NA	12/08/88	ND		0.18	1.000

ENGINEERING SCIENCE 135-67

C:\R-070.D09

CUSTOMER ID: BCS-MIS-GW1-ES

metaTRACE LAB ID: AA22824

SAMPLE DATE: 12/05/88

MATRIX: WATER

CATEGORY: AROMATIC VOC

METHOD: SUB020

UNITS: UG/L

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05/16/89

PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	DIL
BENZENE	NA	12/08/88	0.29	-	0.20	1.000
CHLOROBENZENE	NA	12/08/88	ND		0.20	1.000
1,2-DICHLOROBENZENE	NA	12/08/88	ND		0.40	1.000
1,3-DICHLOROBENZENE	NA	12/08/88	ND		0.40	1.000
1,4-DICHLOROBENZENE	NA	12/08/88	ND		0.30	1.000
ETHYL BENZENE	NA	12/08/88	ND		0.20	1.000
TOLUENE	NA	12/08/88	0.95		0.20	1.000
O-XYLENE	NA	12/08/88	ND		0.20	1.000
M-XYLENE	NA	12/08/88	1.10		0.20	1.000
P-XYLENE	NA	12/08/88	ND		0.20	1.000

ENGINEERING SCIENCE 135-07

C:R-000.000

CUSTOMER ID: MCS-HMS-041-08

metaTRACE LAB ID: AA22824

SAMPLE DATE: 12/05/08

MATRIX: WATER

CATEGORY: PP_METALS

METHOD: EPA 6010

UNITS: ug/L

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05/16/09

PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	DIL
Antimony	NA	01/30/09	ND		60.00	1.000
Arsenic	NA	01/30/09	ND		10.00	1.000
Beryllium	NA	01/30/09	ND		5.00	1.000
Cadmium	NA	01/30/09	ND		5.00	1.000
Chromium	NA	01/30/09	ND		10.00	1.000
Copper	NA	01/30/09	ND		25.00	1.000
Lead	NA	01/30/09	ND		5.00	1.000
Mercury	NA	12/16/08	0.35		0.20	1.000
Nickel	NA	01/30/09	ND		40.00	1.000
Selenium	NA	01/30/09	ND		5.00	1.000
Silver	NA	01/30/09	ND		10.00	1.000
Thallium	NA	01/30/09	ND		10.00	1.000
Zinc	NA	01/30/09	96.00		20.00	1.000

ENGINEERING SCIENCE 135-87

C:\B-SEC.BOF

CUSTOMER ID: 063-HM-011-ES

metatTRACE LAB ID: AA22822

SAMPLE DATE: 12/05/88

MATRIX: WATER

CATEGORY: SEMI-VOLATILES

METHOD: EPA 8270

UNITS: UG/L

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05/16/89

PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	DIL
Phenol	12/09/88	12/23/88	10		10.00	1.000
bis(2-Chloroethyl) ether	12/09/88	12/23/88	10		10.00	1.000
2-Chlorophenol	12/09/88	12/23/88	10		10.00	1.000
1,3-Dichlorobenzene	12/09/88	12/23/88	10		10.00	1.000
1,4-Dichlorobenzene	12/09/88	12/23/88	10		10.00	1.000
Benzyl Alcohol	12/09/88	12/23/88	10		10.00	1.000
1,2-Dichlorobenzene	12/09/88	12/23/88	10		10.00	1.000
2-Methylphenol	12/09/88	12/23/88	10		10.00	1.000
bis(2-Chloroisopropyl) ether	12/09/88	12/23/88	10		10.00	1.000
4-Methylphenol	12/09/88	12/23/88	10		10.00	1.000
N-Nitroso-Dipropylamine	12/09/88	12/23/88	10		10.00	1.000
Hexachloroethane	12/09/88	12/23/88	10		10.00	1.000
Nitrobenzene	12/09/88	12/23/88	10		10.00	1.000
Isophorone	12/09/88	12/23/88	10		10.00	1.000
2-Nitrophenol	12/09/88	12/23/88	10		50.00	1.000
2,4-Dimethylphenol	12/09/88	12/23/88	10		10.00	1.000
Benzoic Acid	12/09/88	12/23/88	10		50.00	1.000
bis(2-Chloroethoxy) methane	12/09/88	12/23/88	10		10.00	1.000
2,4-Dichlorophenol	12/09/88	12/23/88	10		10.00	1.000
1,2,4-Trichlorobenzene	12/09/88	12/23/88	10		10.00	1.000
Naphthalene	12/09/88	12/23/88	10		10.00	1.000
4-Chloroaniline	12/09/88	12/23/88	10		10.00	1.000
Hexachlorobutadiene	12/09/88	12/23/88	10		10.00	1.000
4-Chloro-3-methylphenol	12/09/88	12/23/88	10		10.00	1.000
2-Methylnaphthalene	12/09/88	12/23/88	10		10.00	1.000
Hexachlorocyclopentadiene	12/09/88	12/23/88	10		10.00	1.000
2,4,6-Trichlorophenol	12/09/88	12/23/88	10		10.00	1.000
2,4,5-Trichlorophenol	12/09/88	12/23/88	10		50.00	1.000
2-Chloronaphthalene	12/09/88	12/23/88	10		10.00	1.000
2-Nitroaniline	12/09/88	12/23/88	10		50.00	1.000
Dimethyl Phthalate	12/09/88	12/23/88	10		10.00	1.000
Acenaphthylene	12/09/88	12/23/88	10		10.00	1.000
2,6-Dinitrotoluene	12/09/88	12/23/88	10		10.00	1.000
3-Nitroaniline	12/09/88	12/23/88	10		50.00	1.000
Acenaphthene	12/09/88	12/23/88	10		10.00	1.000
2,4-Dinitrophenol	12/09/88	12/23/88	10		50.00	1.000
4-Nitrophenol	12/09/88	12/23/88	10		50.00	1.000
Dibenzofuran	12/09/88	12/23/88	10		10.00	1.000
2,4-Dinitrotoluene	12/09/88	12/23/88	10		10.00	1.000
Diethylphthalate	12/09/88	12/23/88	10		10.00	1.000
4-Chlorophenyl Phenyl Ether	12/09/88	12/23/88	10		10.00	1.000
Fluorene	12/09/88	12/23/88	10		10.00	1.000
4-Nitroaniline	12/09/88	12/23/88	10		50.00	1.000

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05/16/89

PARAMETER	DATE_EXT	DATE_AMA	CONC.	ERR	DL	DIL
4,6-Dinitro-2-methylphenol	12/09/88	12/23/88	ND		50.00	1.000
N-nitrosodiphenylamine	12/09/88	12/23/88	ND		10.00	1.000
4-Bromophenyl Phenyl ether	12/09/88	12/23/88	ND		10.00	1.000
Hexachlorobenzene	12/09/88	12/23/88	ND		10.00	1.000
Pentachlorophenol	12/09/88	12/23/88	ND		50.00	1.000
Phenanthrene	12/09/88	12/23/88	ND		10.00	1.000
Anthracene	12/09/88	12/23/88	ND		10.00	1.000
Di-n-butylphthalate	12/09/88	12/23/88	ND		10.00	1.000
Fluoranthene	12/09/88	12/23/88	ND		10.00	1.000
Pyrene	12/09/88	12/23/88	ND		10.00	1.000
Butyl Benzyl Phthalate	12/09/88	12/23/88	ND		10.00	1.000
3,3'-Dichlorobenzidine	12/09/88	12/23/88	ND		20.00	1.000
Benzo(a)anthracene	12/09/88	12/23/88	ND		10.00	1.000
Chrysene	12/09/88	12/23/88	ND		10.00	1.000
bis(2-ethylhexyl)phthalate	12/09/88	12/23/88	1.00		10.00	1.000
Di-n-octyl Phthalate	12/09/88	12/23/88	ND		10.00	1.000
Benzo(b)fluoranthene	12/09/88	12/23/88	ND		10.00	1.000
Benzo(k)fluoranthene	12/09/88	12/23/88	ND		10.00	1.000
Benzo(a)pyrene	12/09/88	12/23/88	ND		10.00	1.000

ENGINEERING SCIENCE 135-07

C:\R-09C.007

CUSTOMER ID: 0C3-MA4-GW1-ES

netTRACE LAB ID: AA2222

SAMPLE DATE: 12/05/00

MATRIX: WATER

CATEGORY: HALOGENATED VOA

METHOD: 816010

UNITS: UG/L

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05/16/09

PARAMETER	DATE_EXT	DATE_ASA	CONC.	ERR	DL	DIL
018(2-CHLOROETHYL) METHANE	NA	12/05/00	ND		0.50	1.000
018(2-CHLOROISOPROPYL) ETHER	NA	12/05/00	ND		0.80	1.000
BROMOCHLOROMETHANE	NA	12/05/00	ND		0.10	1.000
BROMOPORN	NA	12/05/00	ND		1.00	1.000
BROMOMETHANE	NA	12/05/00	ND		1.20	1.000
CARBON TETRACHLORIDE	NA	12/05/00	ND		0.60	1.000
CHLOROBENZENE	NA	12/05/00	ND		1.25	1.000
CHLOROMETHANE	NA	12/05/00	ND		0.52	1.000
CHLOROPORN	NA	12/05/00	0.10		0.25	1.000
2-CHLOROETHYL VINYL ETHER	NA	12/05/00	ND		0.13	1.000
CHLOROMETHANE	NA	12/05/00	0.71		0.00	1.000
DIBROMOCHLOROMETHANE	NA	12/05/00	ND		0.45	1.000
1,2-DICHLOROBENZENE	NA	12/05/00	ND		0.75	1.000
1,3-DICHLOROBENZENE	NA	12/05/00	ND		1.60	1.000
1,4-DICHLOROBENZENE	NA	12/05/00	ND		1.20	1.000
1,1-DICHLOROMETHANE	NA	12/05/00	ND		0.70	1.000
1,2-DICHLOROMETHANE	NA	12/05/00	ND		0.15	1.000
1,1-DICHLOROTHENE	NA	12/05/00	ND		0.60	1.000
TRANS-1,2-DICHLOROTHENE	NA	12/05/00	ND		0.50	1.000
DICHLOROMETHANE	NA	12/05/00	ND		1.25	1.000
1,2-DICHLOROPROPANE	NA	12/05/00	ND		0.04	1.000
TRANS-1,3-DICHLOROPROPENE	NA	12/05/00	ND		0.20	1.000
1,1,2,2-TETRACHLOROMETHANE	NA	12/05/00	ND		0.15	1.000
TETRACHLOROTHENE	NA	12/05/00	ND		0.15	1.000
1,1,1-TRICHLOROMETHANE	NA	12/05/00	0.12		0.15	1.000
1,1,2-TRICHLOROMETHANE	NA	12/05/00	ND		0.10	1.000
TRICHLOROTHENE	NA	12/05/00	0.12		0.60	1.000
TRICHLOROFLUOROMETHANE	NA	12/05/00	ND		0.50	1.000
VINYL CHLORIDE	NA	12/05/00	ND		0.10	1.000

ENGINEERING SCIENCE 135-67
C:\B-09C.D0F
CUSTOMER ID: BCS-KMA-GW1-ES
metaTRACE LAB ID: AA22222
SAMPLE DATE: 12/05/08
MATRIX: WATER
CATEGORY: AROMATIC VOA
METHOD: SUBS30
UNITS: UG/L
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05/16/09

PARAMETER	DATE_EXT	DATE_AMA	CONC.	ERR	DL	DIL
BENZENE	NA	12/08/08	ND		0.20	1.000
CHLOROBENZENE	NA	12/08/08	ND		0.20	1.000
1,2-DICHLOROBENZENE	NA	12/08/08	ND		0.40	1.000
1,3-DICHLOROBENZENE	NA	12/08/08	ND		0.40	1.000
1,4-DICHLOROBENZENE	NA	12/08/08	ND		0.30	1.000
ETHYL BENZENE	NA	12/08/08	ND		0.20	1.000
TOLUENE	NA	12/08/08	1.10		0.20	1.000
O-XYLENE	NA	12/08/08	ND		0.20	1.000
M-XYLENE	NA	12/08/08	1.25		0.20	1.000
P-XYLENE	NA	12/08/08	ND		0.20	1.000

ENGINEERING SCIENCE 135-67

C:\R-09C.009

CUSTOMER ID: DC3-MA-041-ES

metaTRACE LAB ID: AA22822

SAMPLE DATE: 12/05/08

MATRIX: WATER

CATEGORY: PP_METALS

METHOD: EPA 6010

UNITS: UG/L

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 05/16/09

PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	DIL
Antimony	NA	01/30/09	ND		60.00	1.000
Arsenic	NA	01/30/09	ND		10.00	1.000
Beryllium	NA	01/30/09	ND		5.00	1.000
Cadmium	NA	01/30/09	ND		5.00	1.000
Chromium	NA	01/30/09	ND		10.00	1.000
Copper	NA	01/30/09	ND		25.00	1.000
Lead	NA	01/03/09	11.40		5.00	1.000
Mercury	NA	12/16/08	0.40		0.20	1.000
Nickel	NA	01/30/09	ND		40.00	1.000
Selenium	NA	01/30/09	ND		5.00	1.000
Silver	NA	01/30/09	ND		10.00	1.000
Thallium	NA	01/30/09	ND		10.00	1.000
Zinc	NA	01/30/09	299.00		20.00	1.000

ENGINEERING SCIENCE 135-07

C:R-098.08P

CUSTOMER ID: 8C3-MW10-GW1-ES

etaTRACE LAB ID: AA22820

SAMPLE DATE: 12/05/88

MATRIX: WATER

CATEGORY: SEMI-VOLATILES

METHOD: EPA 8270

UNITS: UG/L

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05/16/89

PARAMETER	DATE_EXT	DATE_AMA	CONC.	ERR	DL	DIL
Phenol	12/09/88	12/15/88	ND		10.00	1.000
bis(2-Chloroethyl) ether	12/09/88	12/15/88	ND		10.00	1.000
2-Chlorophenol	12/09/88	12/15/88	ND		10.00	1.000
1,3-Dichlorobenzene	12/09/88	12/15/88	ND		10.00	1.000
1,4-Dichlorobenzene	12/09/88	12/15/88	ND		10.00	1.000
Benzyl Alcohol	12/09/88	12/15/88	ND		10.00	1.000
1,2-Dichlorobenzene	12/09/88	12/15/88	ND		10.00	1.000
2-Methylphenol	12/09/88	12/15/88	ND		10.00	1.000
bis(2-Chloroisopropyl) ether	12/09/88	12/15/88	ND		10.00	1.000
4-Methylphenol	12/09/88	12/15/88	ND		10.00	1.000
N-Nitroso-Diisopropylamine	12/09/88	12/15/88	ND		10.00	1.000
Hexachloroethane	12/09/88	12/15/88	ND		10.00	1.000
Nitrobenzene	12/09/88	12/15/88	ND		10.00	1.000
Isophorone	12/09/88	12/15/88	ND		10.00	1.000
2-Nitrophenol	12/09/88	12/15/88	ND		50.00	1.000
2,4-Dimethylphenol	12/09/88	12/15/88	ND		10.00	1.000
Benzoic Acid	12/09/88	12/15/88	ND		50.00	1.000
bis(2-Chloroethoxy) methane	12/09/88	12/15/88	ND		10.00	1.000
2,4-Dichlorophenol	12/09/88	12/15/88	ND		10.00	1.000
1,2,4-Trichlorobenzene	12/09/88	12/15/88	ND		10.00	1.000
Naphthalene	12/09/88	12/15/88	12.00	J	10.00	1.000
4-Chloroaniline	12/09/88	12/15/88	ND		10.00	1.000
Hexachlorocyclopentadiene	12/09/88	12/15/88	ND		10.00	1.000
4-Chloro-3-methylphenol	12/09/88	12/15/88	ND		10.00	1.000
2-Methylnaphthalene	12/09/88	12/15/88	93.00	J	10.00	1.000
Hexachlorocyclopentadiene	12/09/88	12/15/88	ND		10.00	1.000
2,4,6-Trichlorophenol	12/09/88	12/15/88	ND		10.00	1.000
2,4,5-Trichlorophenol	12/09/88	12/15/88	ND		50.00	1.000
2-Chloronaphthalene	12/09/88	12/15/88	ND		10.00	1.000
2-Nitroaniline	12/09/88	12/15/88	ND		50.00	1.000
Dimethyl Phthalate	12/09/88	12/15/88	ND		10.00	1.000
Acenaphthylene	12/09/88	12/15/88	ND		10.00	1.000
2,6-Dinitrotoluene	12/09/88	12/15/88	ND		10.00	1.000
3-Nitroaniline	12/09/88	12/15/88	ND		50.00	1.000
Acenaphthene	12/09/88	12/15/88	ND		10.00	1.000
2,4-Dinitrophenol	12/09/88	12/15/88	ND		50.00	1.000
4-Nitrophenol	12/09/88	12/15/88	ND		50.00	1.000
Dibenzofuran	12/09/88	12/15/88	ND		10.00	1.000
2,4-Dinitrotoluene	12/09/88	12/15/88	ND		10.00	1.000
Diethylphthalate	12/09/88	12/15/88	ND		10.00	1.000
4-Chlorophenyl Phenyl Ether	12/09/88	12/15/88	ND		10.00	1.000
Fluorene	12/09/88	12/15/88	ND		10.00	1.000
4-Nitroaniline	12/09/88	12/15/88	ND		50.00	1.000

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05/16/89

PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	DIL
4,6-Dinitro-2-methylphenol	12/09/88	12/15/88	ND		50.00	1.000
N-nitrosodiphenylamine	12/09/88	12/15/88	ND		10.00	1.000
4-Bromophenyl Phenyl ether	12/09/88	12/15/88	ND		10.00	1.000
Hexachlorobenzene	12/09/88	12/15/88	ND		10.00	1.000
Pentachlorophenol	12/09/88	12/15/88	ND		50.00	1.000
Phenanthrene	12/09/88	12/15/88	ND		10.00	1.000
Anthracene	12/09/88	12/15/88	ND		10.00	1.000
Di-n-butylphthalate	12/09/88	12/15/88	ND		10.00	1.000
Fluoranthene	12/09/88	12/15/88	ND		10.00	1.000
Pyrene	12/09/88	12/15/88	ND		10.00	1.000
Butyl Benzyl Phthalate	12/09/88	12/15/88	ND		10.00	1.000
3,3'-Dichlorobenzidine	12/09/88	12/15/88	ND		20.00	1.000
Benzo(a)anthracene	12/09/88	12/15/88	ND		10.00	1.000
Chrysene	12/09/88	12/15/88	ND		10.00	1.000
bis(2-ethylhexyl)phthalate	12/09/88	12/15/88	ND		10.00	1.000
Di-n-octyl Phthalate	12/09/88	12/15/88	ND		10.00	1.000
Benzo(b)fluoranthene	12/09/88	12/15/88	ND		10.00	1.000
Benzo(k)fluoranthene	12/09/88	12/15/88	ND		10.00	1.000
Benzo(a)pyrene	12/09/88	12/15/88	ND		10.00	1.000

ENGINEERING SCIENCE 135-07

C:R-098.089

CUSTOMER ID: 8C3-MW10-GW1-ES

metaTRACE LAB ID: AA22820

SAMPLE DATE: 12/05/88

MATRIX: WATER

CATEGORY: HALOGENATED VOA

METHOD: SUB010

UNITS: UG/L

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PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	DIL
BIS(2-CHLOROETHOXY) METHANE	NA	12/08/88	ND		0.50	1.000
BIS(2-CHLOROISOPROPYL) ETHER	NA	12/08/88	ND		0.80	1.000
BROMODICHLOROMETHANE	NA	12/08/88	ND		0.10	1.000
BROMOFORM	NA	12/08/88	ND		1.00	1.000
BROMOMETHANE	NA	12/08/88	ND		1.20	1.000
CARBON TETRACHLORIDE	NA	12/08/88	ND		0.60	1.000
CHLOROBENZENE	NA	12/08/88	ND		1.25	1.000
CHLOROETHANE	NA	12/08/88	ND		0.52	1.000
CHLOROFORM	NA	12/08/88	ND		0.25	1.000
2-CHLOROETHYL VINYL ETHER	NA	12/08/88	1.32	-	0.13	1.000
CHLOROMETHANE	NA	12/08/88	1.07	-	0.08	1.000
DIBROMOCHLOROMETHANE	NA	12/08/88	ND		0.45	1.000
1,2-DICHLOROBENZENE	NA	12/08/88	ND		0.75	1.000
1,3-DICHLOROBENZENE	NA	12/08/88	ND		1.60	1.000
1,4-DICHLOROBENZENE	NA	12/08/88	ND		1.20	1.000
1,1-DICHLOROETHANE	NA	12/08/88	0.71	-	0.70	1.000
1,2-DICHLOROETHANE	NA	12/08/88	ND		0.15	1.000
1,1-DICHLOROETHENE	NA	12/08/88	ND		0.65	1.000
TRANS-1,2-DICHLOROETHENE	NA	12/08/88	ND		0.50	1.000
DICHLOROETHANE	NA	12/08/88	ND		1.25	1.000
1,2-DICHLOROPROPANE	NA	12/08/88	ND		0.04	1.000
TRANS-1,3-DICHLOROPROPENE	NA	12/08/88	ND		0.20	1.000
1,1,2,2-TETRACHLOROETHANE	NA	12/08/88	ND		0.15	1.000
TETRACHLOROETHENE	NA	12/08/88	0.06	-	0.15	1.000
1,1,1-TRICHLOROETHANE	NA	12/08/88	2.58		0.15	1.000
1,1,2-TRICHLOROETHANE	NA	12/08/88	ND		0.10	1.000
TRICHLOROETHENE	NA	12/08/88	12.82	*	0.60	1.000
TRICHLOROFLUOROETHANE	NA	12/08/88	ND		0.50	1.000
VINYL CHLORIDE	NA	12/08/88	ND		0.18	1.000

ENGINEERING SCIENCE 135-07

C:\R-098.DOF

CUSTOMER ID: 9C3-MW10-QM1-E8

metaTRACE LAB ID: AA22820

SAMPLE DATE: 12/05/88

MATRIX: WATER

CATEGORY: AROMATIC VOA

METHOD: 848020

UNITS: UG/L

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05/16/89

PARAMETER	DATE_EXT	DATE_AMA	CONC.	ERR	DL	DIL
BENZENE	NA	12/08/88	16.13 ✓	+	0.20	1.000
CHLOROBENZENE	NA	12/08/88	0.25 ✓	+	0.20	1.000
1,2-DICHLOROBENZENE	NA	12/08/88	9.09	-	0.40	1.000
1,3-DICHLOROBENZENE	NA	12/08/88	ND		0.40	1.000
1,4-DICHLOROBENZENE	NA	12/08/88	ND		0.30	1.000
ETHYL BENZENE	NA	12/08/88	10.12	+	0.20	1.000
TOLUENE	NA	12/08/88	50.98 ✓	+	0.20	1.000
O-XYLENE	NA	12/08/88	39.86 ✓	+	0.20	1.000
M-XYLENE	NA	12/08/88	76.27	-	0.20	1.000
P-XYLENE	NA	12/08/88	ND		0.20	1.000

ENGINEERING SCIENCE 135-07

C:\R-098.DBF

CUSTOMER ID: 9C3-NW10-GW1-ES

metaTRACE LAB ID: AA22820

SAMPLE DATE: 12/05/88

MATRIX: WATER

CATEGORY: PP_METALS

METHOD: EPA 6010

UNITS: UG/L

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05/16/89

PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	DIL
Antimony	NA	01/30/89	ND		60.00	1.000
Arsenic	NA	02/03/89	ND		10.00	1.000
Beryllium	NA	01/30/89	ND		5.00	1.000
Cadmium	NA	01/30/89	ND		5.00	1.000
Chromium	NA	01/30/89	ND		10.00	1.000
Copper	NA	01/30/89	ND		25.00	1.000
Lead	NA	01/30/89	ND		5.00	1.000
Mercury	NA	01/30/89	ND		0.20	1.000
Nickel	NA	01/30/89	ND		40.00	1.000
Selenium	NA	02/06/89	ND		5.00	1.000
Silver	NA	01/30/89	ND		10.00	1.000
Thallium	NA	01/30/89	ND		10.00	1.000
Zinc	NA	01/30/89	170.00		20.00	1.000

ENGINEERING SCIENCE 135-07

C:\R-08A.DBF

CUSTOMER ID: BC4-MU1-GU1-E3

metaTRACE LAB ID: AA22786

SAMPLE DATE: 12/03/88

MATRIX: WATER

CATEGORY: SEMI-VOLATILES

METHOD: EPA 8270

UNITS: UG/L

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PARAMETER	DATE_EXT	DATE_AMA	CONC.	ERR	DL	DIL
Phenol	12/07/88	12/13/88	ND		10.00	1.000
bis(2-Chloroethyl) ether	12/07/88	12/13/88	ND		10.00	1.000
2-Chlorophenol	12/07/88	12/13/88	ND		10.00	1.000
1,3-Dichlorobenzene	12/07/88	12/13/88	ND		10.00	1.000
1,4-Dichlorobenzene	12/07/88	12/13/88	ND		10.00	1.000
Benzyl Alcohol	12/07/88	12/13/88	ND		10.00	1.000
1,2-Dichlorobenzene	12/07/88	12/13/88	ND		10.00	1.000
2-Methylphenol	12/07/88	12/13/88	ND		10.00	1.000
bis(2-Chloroisopropyl) ether	12/07/88	12/13/88	ND		10.00	1.000
4-Methylphenol	12/07/88	12/13/88	ND		10.00	1.000
N-Nitroso-Diethylamine	12/07/88	12/13/88	ND		10.00	1.000
Hexachloroethane	12/07/88	12/13/88	ND		10.00	1.000
Nitrobenzene	12/07/88	12/13/88	ND		10.00	1.000
Isophorone	12/07/88	12/13/88	ND		10.00	1.000
2-Nitrophenol	12/07/88	12/13/88	ND		50.00	1.000
2,4-Dimethylphenol	12/07/88	12/13/88	ND		10.00	1.000
Benzoic Acid	12/07/88	12/13/88	ND		50.00	1.000
bis(2-Chloroethoxy) methane	12/07/88	12/13/88	ND		10.00	1.000
2,4-Dichlorophenol	12/07/88	12/13/88	ND		10.00	1.000
1,2,4-Trichlorobenzene	12/07/88	12/13/88	ND		10.00	1.000
Naphthalene	12/07/88	12/13/88	ND		10.00	1.000
4-Chloroaniline	12/07/88	12/13/88	ND		10.00	1.000
Hexachlorobutadiene	12/07/88	12/13/88	ND		10.00	1.000
4-Chloro-3-methylphenol	12/07/88	12/13/88	ND		10.00	1.000
2-Methylnaphthalene	12/07/88	12/13/88	ND		10.00	1.000
Hexachlorocyclopentadiene	12/07/88	12/13/88	ND		10.00	1.000
2,4,6-Trichlorophenol	12/07/88	12/13/88	ND		10.00	1.000
2,4,5-Trichlorophenol	12/07/88	12/13/88	ND		50.00	1.000
2-Chloronaphthalene	12/07/88	12/13/88	ND		10.00	1.000
2-Nitroaniline	12/07/88	12/13/88	ND		50.00	1.000
Dimethyl Phthalate	12/07/88	12/13/88	ND		10.00	1.000
Acenaphthylene	12/07/88	12/13/88	ND		10.00	1.000
2,6-Dinitrotoluene	12/07/88	12/13/88	ND		10.00	1.000
3-Nitroaniline	12/07/88	12/13/88	ND		50.00	1.000
Acenaphthene	12/07/88	12/13/88	ND		10.00	1.000
2,4-Dinitrophenol	12/07/88	12/13/88	ND		50.00	1.000
4-Nitrophenol	12/07/88	12/13/88	ND		50.00	1.000
Dibenzofuran	12/07/88	12/13/88	ND		10.00	1.000
2,4-Dinitrotoluene	12/07/88	12/13/88	ND		10.00	1.000
Diethylphthalate	12/07/88	12/13/88	ND		10.00	1.000
4-Chlorophenyl Phenyl Ether	12/07/88	12/13/88	ND		10.00	1.000
Fluorene	12/07/88	12/13/88	ND		10.00	1.000
4-Nitroaniline	12/07/88	12/13/88	ND		50.00	1.000

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05/16/89

PARAMETER	DATE_EXT	DATE_AMA	CONC.	ERR	DL	DIL
4,6-Dinitro-2-methylphenol	12/07/88	12/13/88	ND		50.00	1.000
N-nitrosodiphenylamine	12/07/88	12/13/88	ND		10.00	1.000
4-Bromophenyl Phenyl ether	12/07/88	12/13/88	ND		10.00	1.000
Hexachlorobenzene	12/07/88	12/13/88	ND		10.00	1.000
Pentachlorophenol	12/07/88	12/13/88	ND		50.00	1.000
Phenanthrene	12/07/88	12/13/88	ND		10.00	1.000
Anthracene	12/07/88	12/13/88	ND		10.00	1.000
Di-n-butylphthalate	12/07/88	12/13/88	ND		10.00	1.000
Fluoranthene	12/07/88	12/13/88	ND		10.00	1.000
Pyrene	12/07/88	12/13/88	ND		10.00	1.000
Butyl Benzyl Phthalate	12/07/88	12/13/88	ND		10.00	1.000
3,3'-Dichlorobenzidine	12/07/88	12/13/88	ND		20.00	1.000
Benzo(a)anthracene	12/07/88	12/13/88	ND		10.00	1.000
Chrysene	12/07/88	12/13/88	ND		10.00	1.000
bis(2-ethylhexyl)phthalate	12/07/88	12/13/88	ND		10.00	1.000
Di-n-octyl Phthalate	12/07/88	12/13/88	ND		10.00	1.000
Benzo(b)fluoranthene	12/07/88	12/13/88	ND		10.00	1.000
Benzo(k)fluoranthene	12/07/88	12/13/88	ND		10.00	1.000
Benzo(a)pyrene	12/07/88	12/13/88	ND		10.00	1.000

ENGINEERING SCIENCE 135-87

C:\R-08A.DOF

CUSTOMER ID: 0C4-MV1-GV1-E8

metaTRACE LAB ID: AA22786

SAMPLE DATE: 12/03/88

MATRIX: WATER

CATEGORY: PP_METALS

METHOD: EPA 6010

UNITS: UG/L

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05/16/89

PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	DIL
Antimony	NA	12/27/88	ND		60.00	1.000
Arsenic	NA	01/03/89	ND		10.00	1.000
Beryllium	NA	12/27/88	ND		5.00	1.000
Cadmium	NA	12/27/88	ND		5.00	1.000
Chromium	NA	12/27/88	ND		10.00	1.000
Copper	NA	12/27/88	ND		25.00	1.000
Lead	NA	12/21/88	25.30		5.00	1.000
Mercury	NA	12/15/88	0.32		0.20	1.000
Nickel	NA	12/27/88	ND		40.00	1.000
Selenium	NA	12/22/88	ND		5.00	1.000
Silver	NA	12/27/88	ND		10.00	1.000
Thallium	NA	12/21/88	ND		10.00	1.000
Zinc	NA	12/27/88	25.00		20.00	1.000

ENGINEERING SCIENCE 135-07

C:\R-08A.DDF

CUSTOMER ID: 004-H42-GW1-ES

metaTRACE LAB ID: AA22787

SAMPLE DATE: 12/03/88

MATRIX: WATER

CATEGORY: SEMI-VOLATILES

METHOD: EPA 8270

UNITS: UG/L

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PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	DIL
Phenol	12/07/88	12/13/88	ND		10.00	1.000
bis(2-Chloroethyl) ether	12/07/88	12/13/88	ND		10.00	1.000
2-Chlorophenol	12/07/88	12/13/88	ND		10.00	1.000
1,3-Dichlorobenzene	12/07/88	12/13/88	ND		10.00	1.000
1,4-Dichlorobenzene	12/07/88	12/13/88	ND		10.00	1.000
Benzyl Alcohol	12/07/88	12/13/88	ND		10.00	1.000
1,2-Dichlorobenzene	12/07/88	12/13/88	ND		10.00	1.000
2-Methylphenol	12/07/88	12/13/88	ND		10.00	1.000
bis(2-Chloroisopropyl) ether	12/07/88	12/13/88	ND		10.00	1.000
4-Methylphenol	12/07/88	12/13/88	ND		10.00	1.000
N-Nitroso-Diisopropylamine	12/07/88	12/13/88	ND		10.00	1.000
Hexachloroethane	12/07/88	12/13/88	ND		10.00	1.000
Nitrobenzene	12/07/88	12/13/88	ND		10.00	1.000
Isophorone	12/07/88	12/13/88	ND		10.00	1.000
2-Nitrophenol	12/07/88	12/13/88	ND		50.00	1.000
2,4-Dimethylphenol	12/07/88	12/13/88	ND		10.00	1.000
Benzoic Acid	12/07/88	12/13/88	ND		50.00	1.000
bis(2-Chloroethoxy) methane	12/07/88	12/13/88	ND		10.00	1.000
2,4-Dichlorophenol	12/07/88	12/13/88	ND		10.00	1.000
1,2,4-Trichlorobenzene	12/07/88	12/13/88	ND		10.00	1.000
Naphthalene	12/07/88	12/13/88	ND		10.00	1.000
4-Chloroaniline	12/07/88	12/13/88	ND		10.00	1.000
Hexachlorobutadiene	12/07/88	12/13/88	ND		10.00	1.000
4-Chloro-3-methylphenol	12/07/88	12/13/88	ND		10.00	1.000
2-Methylnaphthalene	12/07/88	12/13/88	ND		10.00	1.000
Hexachlorocyclopentadiene	12/07/88	12/13/88	ND		10.00	1.000
2,4,6-Trichlorophenol	12/07/88	12/13/88	ND		10.00	1.000
2,4,5-Trichlorophenol	12/07/88	12/13/88	ND		50.00	1.000
2-Chloronaphthalene	12/07/88	12/13/88	ND		10.00	1.000
2-Nitroaniline	12/07/88	12/13/88	ND		50.00	1.000
Dimethyl Phthalate	12/07/88	12/13/88	ND		10.00	1.000
Acenaphthylene	12/07/88	12/13/88	ND		10.00	1.000
2,6-Dinitrotoluene	12/07/88	12/13/88	ND		10.00	1.000
3-Nitroaniline	12/07/88	12/13/88	ND		50.00	1.000
Acenaphthene	12/07/88	12/13/88	ND		10.00	1.000
2,4-Dinitrophenol	12/07/88	12/13/88	ND		50.00	1.000
4-Nitrophenol	12/07/88	12/13/88	ND		50.00	1.000
Dibenzofuran	12/07/88	12/13/88	ND		10.00	1.000
2,4-Dinitrotoluene	12/07/88	12/13/88	ND		10.00	1.000
Diethylphthalate	12/07/88	12/13/88	ND		10.00	1.000
4-Chlorophenyl Phenyl Ether	12/07/88	12/13/88	ND		10.00	1.000
Fluorene	12/07/88	12/13/88	ND		10.00	1.000
4-Nitroaniline	12/07/88	12/13/88	ND		50.00	1.000

ENGINEERING SCIENCE 135-07

C:\R-09A.D09

CUSTOMER ID: BC4-MJ3-GM1-ES

metaTRACE LAB ID: AA22812

SAMPLE DATE: 12/04/88

MATRIX: WATER

CATEGORY: HALOGENATED VOA

METHOD: SUB010

UNITS: UG/L

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PARAMETER	DATE_EXT	DATE_AMA	CONC.	ERR	DL	DIL
BIS(2-CHLOROETHOXY) METHANE	NA	12/08/88	ND		0.50	1.000
BIS(2-CHLOROISOPROPYL) ETHER	NA	12/08/88	ND		0.80	1.000
BROMODICHLOROMETHANE	NA	12/08/88	ND		0.10	1.000
BROMOFORM	NA	12/08/88	ND		1.00	1.000
BROMOMETHANE	NA	12/08/88	ND		1.20	1.000
CARBON TETRACHLORIDE	NA	12/08/88	ND		0.60	1.000
CHLOROBENZENE	NA	12/08/88	ND		1.25	1.000
CHLOROETHANE	NA	12/08/88	ND		0.52	1.000
CHLOROFORM	NA	12/08/88	0.12	-	0.25	1.000
2-CHLOROETHYL VINYL ETHER	NA	12/08/88	ND		0.13	1.000
CHLOROMETHANE	NA	12/08/88	0.52	-	0.08	1.000
DIBROMOCHLOROMETHANE	NA	12/08/88	ND		0.45	1.000
1,2-DICHLOROBENZENE	NA	12/08/88	ND		0.75	1.000
1,3-DICHLOROBENZENE	NA	12/08/88	ND		1.60	1.000
1,4-DICHLOROBENZENE	NA	12/08/88	ND		1.20	1.000
1,1-DICHLOROETHANE	NA	12/08/88	ND		0.70	1.000
1,2-DICHLOROETHANE	NA	12/08/88	ND		0.15	1.000
1,1-DICHLOROETHENE	NA	12/08/88	ND		0.65	1.000
TRANS-1,2-DICHLOROETHENE	NA	12/08/88	ND		0.50	1.000
DICHLOROETHANE	NA	12/08/88	ND		1.25	1.000
1,2-DICHLOROPROPANE	NA	12/08/88	ND		0.04	1.000
TRANS-1,3-DICHLOROPROPENE	NA	12/08/88	ND		0.20	1.000
1,1,2,2-TETRACHLOROETHANE	NA	12/08/88	ND		0.15	1.000
TETRACHLOROETHENE	NA	12/08/88	ND		0.15	1.000
1,1,1-TRICHLOROETHANE	NA	12/08/88	0.97	→	0.15	1.000
1,1,2-TRICHLOROETHANE	NA	12/08/88	ND		0.10	1.000
TRICHLOROETHENE	NA	12/08/88	ND		0.60	1.000
TRICHLOROFLUOROETHANE	NA	12/08/88	ND		0.50	1.000
VINYL CHLORIDE	NA	12/08/88	ND		0.18	1.000

ENGINEERING SCIENCE 135-07

C:\R-09A.DBP

CUSTOMER ID: BC4-M43-GW1-ES

metaTRACE LAB ID: AA22812

SAMPLE DATE: 12/04/88

MATRIX: WATER

CATEGORY: AROMATIC VOA

METHOD: S48020

UNITS: UG/L

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05/16/89

PARAMETER	DATE_EXT	DATE_AMA	CONC.	ERR	DL	DIL
BENZENE	NA	12/08/88	ND		0.20	1.000
CHLOROBENZENE	NA	12/08/88	0.22	-	0.20	1.000
1,2-DICHLOROBENZENE	NA	12/08/88	ND		0.40	1.000
1,3-DICHLOROBENZENE	NA	12/08/88	ND		0.40	1.000
1,4-DICHLOROBENZENE	NA	12/08/88	ND		0.30	1.000
ETHYL BENZENE	NA	12/08/88	ND		0.20	1.000
TOLUENE	NA	12/08/88	0.45	-	0.20	1.000
O-XYLENE	NA	12/08/88	ND		0.20	1.000
M-XYLENE	NA	12/08/88	ND		0.20	1.000
P-XYLENE	NA	12/08/88	ND		0.20	1.000

ENGINEERING SCIENCE 135-07

C:\R-090.B07

CUSTOMER ID: SC4-MGS-QW1-ES

metaTRACE LAB ID: AA22812

SAMPLE DATE: 12/04/88

MATRIX: WATER

CATEGORY: PP_METALS

METHOD: EPA 6010

UNITS: UG/L

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PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	DIL
Antimony	NA	01/30/89	ND		60.00	1.000
Arsenic	NA	01/30/89	ND		10.00	1.000
Beryllium	NA	01/30/89	ND		5.00	1.000
Cadmium	NA	01/30/89	ND		5.00	1.000
Chromium	NA	01/30/89	13.30		10.00	1.000
Copper	NA	01/30/89	ND		25.00	1.000
Lead	NA	01/03/89	17.00		5.00	1.000
Mercury	NA	12/15/88	0.20		0.20	1.000
Nickel	NA	01/30/89	ND		40.00	1.000
Selenium	NA	01/30/89	ND		5.00	1.000
Silver	NA	01/30/89	ND		10.00	1.000
Thallium	NA	01/30/89	ND		10.00	1.000
Zinc	NA	01/30/89	ND		20.00	1.000

ENGINEERING SCIENCE 135-07

C:R-09.D09

CUSTOMER ID: BCA-MM4-GW1-ES

metaTRACE LAB ID: AA22510

SAMPLE DATE: 12/04/06

MATRIX: WATER

CATEGORY: SEMI-VOLATILES

METHOD: EPA 8270

UNITS: UG/L

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05/16/09

PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	DIL
Phenol	12/09/06	12/15/06	ND		10.00	1.000
bis(2-Chloroethyl) ether	12/09/06	12/15/06	ND		10.00	1.000
2-Chlorophenol	12/09/06	12/15/06	ND		10.00	1.000
1,3-Dichlorobenzene	12/09/06	12/15/06	ND		10.00	1.000
1,4-Dichlorobenzene	12/09/06	12/15/06	ND		10.00	1.000
Benzyl Alcohol	12/09/06	12/15/06	ND		10.00	1.000
1,2-Dichlorobenzene	12/09/06	12/15/06	ND		10.00	1.000
2-Methylphenol	12/09/06	12/15/06	ND		10.00	1.000
bis(2-Chloroisopropyl) ether	12/09/06	12/15/06	ND		10.00	1.000
4-Methylphenol	12/09/06	12/15/06	ND		10.00	1.000
N-Nitroso-Dipropylamine	12/09/06	12/15/06	ND		10.00	1.000
Hexachloroethane	12/09/06	12/15/06	ND		10.00	1.000
Nitrobenzene	12/09/06	12/15/06	ND		10.00	1.000
Isophorone	12/09/06	12/15/06	ND		10.00	1.000
2-Nitrophenol	12/09/06	12/15/06	ND		50.00	1.000
2,4-Dimethylphenol	12/09/06	12/15/06	ND		10.00	1.000
Benzoic Acid	12/09/06	12/15/06	ND		50.00	1.000
bis(2-Chloroethoxy) methane	12/09/06	12/15/06	ND		10.00	1.000
2,4-Dichlorophenol	12/09/06	12/15/06	ND		10.00	1.000
1,2,4-Trichlorobenzene	12/09/06	12/15/06	ND		10.00	1.000
Naphthalene	12/09/06	12/15/06	ND		10.00	1.000
4-Chloroaniline	12/09/06	12/15/06	ND		10.00	1.000
Hexachlorobutadiene	12/09/06	12/15/06	ND		10.00	1.000
4-Chloro-3-methylphenol	12/09/06	12/15/06	ND		10.00	1.000
2-Methylnaphthalene	12/09/06	12/15/06	ND		10.00	1.000
Hexachlorocyclopentadiene	12/09/06	12/15/06	ND		10.00	1.000
2,4,6-Trichlorophenol	12/09/06	12/15/06	ND		10.00	1.000
2,4,5-Trichlorophenol	12/09/06	12/15/06	ND		50.00	1.000
2-Chloronaphthalene	12/09/06	12/15/06	ND		10.00	1.000
2-Nitroaniline	12/09/06	12/15/06	ND		50.00	1.000
Dimethyl Phthalate	12/09/06	12/15/06	ND		10.00	1.000
Acenaphthylene	12/09/06	12/15/06	ND		10.00	1.000
2,6-Dinitrotoluene	12/09/06	12/15/06	ND		10.00	1.000
3-Nitroaniline	12/09/06	12/15/06	ND		50.00	1.000
Acenaphthene	12/09/06	12/15/06	ND		10.00	1.000
2,4-Dinitrophenol	12/09/06	12/15/06	ND		50.00	1.000
4-Nitrophenol	12/09/06	12/15/06	ND		50.00	1.000
Dibenzofuran	12/09/06	12/15/06	ND		10.00	1.000
2,4-Dinitrotoluene	12/09/06	12/15/06	ND		10.00	1.000
Diethylphthalate	12/09/06	12/15/06	ND		10.00	1.000
4-Chlorophenyl Phenyl Ether	12/09/06	12/15/06	ND		10.00	1.000
Fluorene	12/09/06	12/15/06	ND		10.00	1.000
4-Nitroaniline	12/09/06	12/15/06	ND		50.00	1.000

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05/16/89

PARAMETER	DATE_EXT	DATE_ABA	CONC.	ERR	DL	DIL
4,6-Dinitro-2-methylphenol	12/09/88	12/15/88	ND		50.00	1.000
N-nitrosodiphenylamine	12/09/88	12/15/88	ND		10.00	1.000
4-Bromophenyl Phenyl ether	12/09/88	12/15/88	ND		10.00	1.000
Hexachlorobenzene	12/09/88	12/15/88	ND		10.00	1.000
Pentachlorophenol	12/09/88	12/15/88	ND		50.00	1.000
Phenanthrene	12/09/88	12/15/88	ND		10.00	1.000
Anthracene	12/09/88	12/15/88	ND		10.00	1.000
Di-n-butylphthalate	12/09/88	12/15/88	ND		10.00	1.000
Fluoranthene	12/09/88	12/15/88	ND		10.00	1.000
Pyrene	12/09/88	12/15/88	ND		10.00	1.000
Butyl Benzyl Phthalate	12/09/88	12/15/88	ND		10.00	1.000
3,3'-Dichlorobenzidine	12/09/88	12/15/88	ND		20.00	1.000
Benzo(a)anthracene	12/09/88	12/15/88	ND		10.00	1.000
Chrysene	12/09/88	12/15/88	ND		10.00	1.000
bis(2-ethylhexyl)phthalate	12/09/88	12/15/88	ND		10.00	1.000
Di-n-octyl Phthalate	12/09/88	12/15/88	ND		10.00	1.000
Benzo(b)fluoranthene	12/09/88	12/15/88	ND		10.00	1.000
Benzo(k)fluoranthene	12/09/88	12/15/88	ND		10.00	1.000
Benzo(a)pyrene	12/09/88	12/15/88	ND		10.00	1.000

ENGINEERING SCIENCE 135-07

C:R-09.DDF

CUSTOMER ID: BCA-PM4-GM1-ES

metaTRACE LAB ID: AA22810

SAMPLE DATE: 12/04/88

MATRIX: WATER

CATEGORY: HALOGENATED VOA

METHOD: SUB010

UNITS: UG/L

Page No. 1

05/16/89

PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	DIL
BIS(2-CHLOROETHOXY) METHANE	NA	12/08/88	ND		0.50	1.000
BIS(2-CHLOROISOPROPYL) ETHER	NA	12/08/88	ND		0.80	1.000
BROMODICHLOROETHANE	NA	12/08/88	ND		0.10	1.000
BROMOFORM	NA	12/08/88	ND		1.00	1.000
BROMOMETHANE	NA	12/08/88	ND		1.20	1.000
CARBON TETRACHLORIDE	NA	12/08/88	ND		0.60	1.000
CHLOROBENZENE	NA	12/08/88	ND		1.25	1.000
CHLOROETHANE	NA	12/08/88	ND		0.52	1.000
CHLOROFORM	NA	12/08/88	0.07	-	0.25	1.000
2-CHLOROETHYL VINYL ETHER	NA	12/08/88	ND		0.13	1.000
CHLOROETHANE	NA	12/08/88	0.62	-	0.08	1.000
DIBROMOCHLOROETHANE	NA	12/08/88	ND		0.45	1.000
1,2-DICHLOROBENZENE	NA	12/08/88	ND		0.75	1.000
1,3-DICHLOROBENZENE	NA	12/08/88	ND		1.60	1.000
1,4-DICHLOROBENZENE	NA	12/08/88	ND		1.20	1.000
1,1-DICHLOROETHANE	NA	12/08/88	ND		0.70	1.000
1,2-DICHLOROETHANE	NA	12/08/88	ND		0.15	1.000
1,1-DICHLOROETHENE	NA	12/08/88	ND		0.65	1.000
TRANS-1,2-DICHLOROETHENE	NA	12/08/88	ND		0.50	1.000
DICHLOROETHANE	NA	12/08/88	ND		1.25	1.000
1,2-DICHLOROPROPANE	NA	12/08/88	ND		0.04	1.000
TRANS-1,3-DICHLOROPROPENE	NA	12/08/88	ND		0.20	1.000
1,1,2,2-TETRACHLOROETHANE	NA	12/08/88	ND		0.15	1.000
TETRACHLOROETHENE	NA	12/08/88	ND		0.15	1.000
1,1,1-TRICHLOROETHANE	NA	12/08/88	0.69	-	0.15	1.000
1,1,2-TRICHLOROETHANE	NA	12/08/88	ND		0.10	1.000
TRICHLOROETHENE	NA	12/08/88	ND		0.60	1.000
TRICHLOROFLUOROETHANE	NA	12/08/88	ND		0.50	1.000
VINYL CHLORIDE	NA	12/08/88	ND		0.18	1.000

ENGINEERING SCIENCE 135-07

CIR-09.00F

CUSTOMER ID: BCA-1144-GW1-ES

metaTRACE LAB ID: AA22810

SAMPLE DATE: 12/04/88

MATRIX: WATER

CATEGORY: AROMATIC VOA

METHOD: SUB020

UNITS: UG/L

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05/16/89

PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	DIL
BENZENE	NA	12/08/88	ND		0.20	1.000
CHLOROBENZENE	NA	12/08/88	ND		0.20	1.000
1,2-DICHLOROBENZENE	NA	12/08/88	ND		0.40	1.000
1,3-DICHLOROBENZENE	NA	12/08/88	ND		0.40	1.000
1,4-DICHLOROBENZENE	NA	12/08/88	ND		0.30	1.000
ETHYL BENZENE	NA	12/08/88	ND		0.20	1.000
TOLUENE	NA	12/08/88	ND		0.20	1.000
O-XYLENE	NA	12/08/88	ND		0.20	1.000
M-XYLENE	NA	12/08/88	ND		0.20	1.000
P-XYLENE	NA	12/08/88	ND		0.20	1.000

ENGINEERING SCIENCE 135-07

C:\R-09.DBF

CUSTOMER ID: SCA-MMA-GW1-ES

metaTRACE LAB ID: AA22810

SAMPLE DATE: 12/04/88

MATRIX: WATER

CATEGORY: PP_METALS

METHOD: EPA 6010

UNITS: UG/L

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05/16/89

PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	DIL
Antimony	NA	01/30/89	ND		60.00	1.000
Arsenic	NA	01/30/89	ND		10.00	1.000
Beryllium	NA	01/30/89	ND		5.00	1.000
Cadmium	NA	01/30/89	ND		5.00	1.000
Chromium	NA	01/30/89	ND		10.00	1.000
Copper	NA	01/30/89	ND		25.00	1.000
Lead	NA	01/03/89	19.20		5.00	1.000
Mercury	NA	12/15/88	0.20		0.20	1.000
Nickel	NA	01/30/89	ND		40.00	1.000
Selenium	NA	01/30/89	ND		5.00	1.000
Silver	NA	01/30/89	ND		10.00	1.000
Thallium	NA	01/30/89	ND		10.00	1.000
Zinc	NA	01/30/89	ND		20.00	1.000

ENGINEERING SCIENCE 135-07

C:\R-08.DDF

CUSTOMER ID: BCS-MM1-GM1-ES

metaTRACE LAB ID: AA22785

SAMPLE DATE: 12/03/88

MATRIX: WATER

CATEGORY: SEMI-VOLATILES

METHOD: EPA 8270

UNITS: UG/L

Page No. 1

05/16/89

PARAMETER	DATE_EXT	DATE_AMA	CONC.	ERR	DL	DIL
Phenol	12/07/88	12/13/88	ND		10.00	1.000
bis(2-Chloroethyl) ether	12/07/88	12/13/88	ND		10.00	1.000
2-Chlorophenol	12/07/88	12/13/88	ND		10.00	1.000
1,3-Dichlorobenzene	12/07/88	12/13/88	ND		10.00	1.000
1,4-Dichlorobenzene	12/07/88	12/13/88	ND		10.00	1.000
Benzyl Alcohol	12/07/88	12/13/88	ND		10.00	1.000
1,2-Dichlorobenzene	12/07/88	12/13/88	ND		10.00	1.000
2-Methylphenol	12/07/88	12/13/88	ND		10.00	1.000
bis(2-Chloroisopropyl) ether	12/07/88	12/13/88	ND		10.00	1.000
4-Methylphenol	12/07/88	12/13/88	ND		10.00	1.000
N-Nitroso-Dipropylamine	12/07/88	12/13/88	ND		10.00	1.000
Hexachloroethane	12/07/88	12/13/88	ND		10.00	1.000
Nitrobenzene	12/07/88	12/13/88	ND		10.00	1.000
Isophorone	12/07/88	12/13/88	ND		10.00	1.000
2-Nitrophenol	12/07/88	12/13/88	ND		50.00	1.000
2,4-Dimethylphenol	12/07/88	12/13/88	ND		10.00	1.000
Benzoic Acid	12/07/88	12/13/88	ND		50.00	1.000
bis(2-Chloroethoxy) methane	12/07/88	12/13/88	ND		10.00	1.000
2,4-Dichlorophenol	12/07/88	12/13/88	ND		10.00	1.000
1,2,4-Trichlorobenzene	12/07/88	12/13/88	ND		10.00	1.000
Naphthalene	12/07/88	12/13/88	ND		10.00	1.000
4-Chloroaniline	12/07/88	12/13/88	ND		10.00	1.000
Hexachlorobutadiene	12/07/88	12/13/88	ND		10.00	1.000
4-Chloro-3-methylphenol	12/07/88	12/13/88	ND		10.00	1.000
2-Methylnaphthalene	12/07/88	12/13/88	ND		10.00	1.000
Hexachlorocyclopentadiene	12/07/88	12/13/88	ND		10.00	1.000
2,4,6-Trichlorophenol	12/07/88	12/13/88	ND		10.00	1.000
2,4,5-Trichlorophenol	12/07/88	12/13/88	ND		50.00	1.000
2-Chloronaphthalene	12/07/88	12/13/88	ND		10.00	1.000
2-Nitroaniline	12/07/88	12/13/88	ND		50.00	1.000
Dimethyl Phthalate	12/07/88	12/13/88	ND		10.00	1.000
Acenaphthylene	12/07/88	12/13/88	ND		10.00	1.000
2,6-Dinitrotoluene	12/07/88	12/13/88	ND		10.00	1.000
3-Nitroaniline	12/07/88	12/13/88	ND		50.00	1.000
Acenaphthene	12/07/88	12/13/88	ND		10.00	1.000
2,4-Dinitrophenol	12/07/88	12/13/88	ND		50.00	1.000
4-Nitrophenol	12/07/88	12/13/88	ND		50.00	1.000
Dibenzofuran	12/07/88	12/13/88	ND		10.00	1.000
2,4-Dinitrotoluene	12/07/88	12/13/88	ND		10.00	1.000
Dichlorophthalate	12/07/88	12/13/88	ND		10.00	1.000
4-Chlorophenyl Phenyl Ether	12/07/88	12/13/88	ND		10.00	1.000
Fluorene	12/07/88	12/13/88	ND		10.00	1.000
4-Nitroaniline	12/07/88	12/13/88	ND		50.00	1.000

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05/14/89

PARAMETER	DATE_EXT	DATE_AMA	CONC.	ERR	DL	DIL
4,6-Dinitro-2-methylphenol	12/07/88	12/13/88	ND		50.00	1.000
N-nitrosodiphenylamine	12/07/88	12/13/88	ND		10.00	1.000
4-Bromophenyl Phenyl ether	12/07/88	12/13/88	ND		10.00	1.000
Hexachlorobenzene	12/07/88	12/13/88	ND		10.00	1.000
Pentachlorophenol	12/07/88	12/13/88	ND		50.00	1.000
Phenanthrene	12/07/88	12/13/88	ND		10.00	1.000
Anthracene	12/07/88	12/13/88	ND		10.00	1.000
Di-n-butylphthalate	12/07/88	12/13/88	ND		10.00	1.000
Fluoranthene	12/07/88	12/13/88	ND		10.00	1.000
Pyrene	12/07/88	12/13/88	ND		10.00	1.000
Butyl Benzyl Phthalate	12/07/88	12/13/88	ND		10.00	1.000
3,3'-Dichlorobenzidine	12/07/88	12/13/88	ND		20.00	1.000
Benzo(a)anthracene	12/07/88	12/13/88	ND		10.00	1.000
Chrysene	12/07/88	12/13/88	ND		10.00	1.000
bis(2-ethylhexyl)phthalate	12/07/88	12/13/88	ND		10.00	1.000
Di-n-octyl Phthalate	12/07/88	12/13/88	ND		10.00	1.000
Benzo(b)fluoranthene	12/07/88	12/13/88	ND		10.00	1.000
Benzo(k)fluoranthene	12/07/88	12/13/88	ND		10.00	1.000
Benzo(a)pyrene	12/07/88	12/13/88	ND		10.00	1.000

ENGINEERING SCIENCE 135-87

C:R-08.D0F

CUSTOMER ID: BCS-16/1-GW1-ES

metaTRACE LAB ID: AA22785

SAMPLE DATE: 12/03/88

MATRIX: WATER

CATEGORY: HALOGENATED VOA

METHOD: SM8010

UNITS: UG/L

Page No. 1

05/16/89

PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	DIL
BIS(2-CHLOROETHOXY) METHANE	NA	12/08/88	ND		0.50	1.000
BIS(2-CHLOROISOPROPYL) ETHER	NA	12/08/88	ND		0.80	1.000
BROMODICHLOROMETHANE	NA	12/08/88	ND		0.10	1.000
BROMOFORM	NA	12/08/88	ND		1.00	1.000
BROMOMETHANE	NA	12/08/88	ND		1.20	1.000
CARBON TETRACHLORIDE	NA	12/08/88	ND		0.60	1.000
CHLOROBENZENE	NA	12/08/88	ND		1.25	1.000
CHLOROETHANE	NA	12/08/88	ND		0.52	1.000
CHLOROFORM	NA	12/08/88	0.74		0.25	1.000
2-CHLOROETHYL VINYL ETHER	NA	12/08/88	ND		0.13	1.000
CHLOROMETHANE	NA	12/08/88	0.65		0.08	1.000
DIBROMOCHLOROMETHANE	NA	12/08/88	ND		0.45	1.000
1,2-DICHLOROBENZENE	NA	12/08/88	ND		0.75	1.000
1,3-DICHLOROBENZENE	NA	12/08/88	ND		1.60	1.000
1,4-DICHLOROBENZENE	NA	12/08/88	ND		1.20	1.000
1,1-DICHLOROETHANE	NA	12/08/88	ND		0.70	1.000
1,2-DICHLOROETHANE	NA	12/08/88	ND		0.15	1.000
1,1-DICHLOROETHENE	NA	12/08/88	ND		0.65	1.000
TRANS-1,2-DICHLOROETHENE	NA	12/08/88	ND		0.50	1.000
DICHLOROMETHANE	NA	12/08/88	ND		1.25	1.000
1,2-DICHLOROPROPANE	NA	12/08/88	ND		0.04	1.000
TRANS-1,3-DICHLOROPROPENE	NA	12/08/88	ND		0.20	1.000
1,1,2,2-TETRACHLOROETHANE	NA	12/08/88	ND		0.15	1.000
TETRACHLOROETHENE	NA	12/08/88	ND		0.15	1.000
1,1,1-TRICHLOROETHANE	NA	12/08/88	4.48		0.15	1.000
1,1,2-TRICHLOROETHANE	NA	12/08/88	ND		0.10	1.000
TRICHLOROETHENE	NA	12/08/88	0.13		0.60	1.000
TRICHLOROFLUOROMETHANE	NA	12/08/88	ND		0.50	1.000
VINYL CHLORIDE	NA	12/08/88	ND		0.18	1.000

ENGINEERING SCIENCE 135-07

C:R-08.007

CUSTOMER ID: BCS-NM1-GW1-E9

metTRACE LAB ID: AA22785

SAMPLE DATE: 12/03/88

MATRIX: WATER

CATEGORY: AROMATIC VOA

METHOD: SW8020

UNITS: UG/L

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05/16/89

PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	DIL
BENZENE	NA	12/08/88	0.22	-	0.20	1.000
CHLOROBENZENE	NA	12/08/88	0.51	-	0.20	1.000
1,2-DICHLOROBENZENE	NA	12/08/88	ND		0.40	1.000
1,3-DICHLOROBENZENE	NA	12/08/88	ND		0.40	1.000
1,4-DICHLOROBENZENE	NA	12/08/88	1.33	-	0.30	1.000
ETHYL BENZENE	NA	12/08/88	ND		0.20	1.000
TOLUENE	NA	12/08/88	1.91	-	0.20	1.000
O-XYLENE	NA	12/08/88	0.96	-	0.20	1.000
M-XYLENE	NA	12/08/88	1.37	-	0.20	1.000
P-XYLENE	NA	12/08/88	ND		0.20	1.000

ENGINEERING SCIENCE 135-07

C:R-00.00F

CUSTOMER ID: BCS-MW1-GW1-E3

etaTRACE LAB ID: AA22785

SAMPLE DATE: 12/03/08

MATRIX: WATER

CATEGORY: PP_METALS

METHOD: EPA 6010

UNITS: UG/L

Page No. 1

05/16/09

PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	DIL
Antimony	NA	12/27/08	ND		60.00	1.000
Arsenic	NA	01/03/09	ND		10.00	1.000
Beryllium	NA	12/27/08	ND		5.00	1.000
Cadmium	NA	12/27/08	ND		5.00	1.000
Chromium	NA	12/27/08	ND		10.00	1.000
Copper	NA	12/27/08	ND		25.00	1.000
Lead	NA	12/21/08	0.40		5.00	1.000
Mercury	NA	12/12/08	0.39		0.20	1.000
Nickel	NA	12/27/08	ND		40.00	1.000
Selenium	NA	12/22/08	ND		5.00	1.000
Silver	NA	12/27/08	ND		10.00	1.000
Thallium	NA	12/21/08	ND		10.00	1.000
Zinc	NA	12/27/08	ND		20.00	1.000

ENGINEERING SCIENCE 135-07

C:R-098.B09

CUSTOMER ID: BCS-MM1-0M1-ES

metaTRACE LAB ID: AA22817

SAMPLE DATE: 12/04/08

MATRIX: WATER

CATEGORY: MISC.

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05/16/09

PARAMETER	METHOD	DATE EXT	DATE_AMA	CONC.	UNITS	ERR	DL	DIL
Total Petroleum Hydrocarbons	EPA 418.1	NA	12/15/08	ND	MG/L		2.00	1.000

ENGINEERING SCIENCE 135-07

C:R-098.08F

CUSTOMER ID: BC6-MW1-GU1-ES

metaTRACE LAB ID: AA22817

SAMPLE DATE: 12/04/88

MATRIX: WATER

CATEGORY: HALOGENATED VOA

METHOD: SUB010

UNITS: UG/L

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05/16/89

PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	DIL
BIS(2-CHLOROETHOXY) METHANE	NA	12/08/88	ND		0.50	1.000
BIS(2-CHLOROISOPROPYL) ETHER	NA	12/08/88	ND		0.80	1.000
BROMODICHLOROMETHANE	NA	12/08/88	ND		0.10	1.000
BROMOFORM	NA	12/08/88	ND		1.00	1.000
BROMOMETHANE	NA	12/08/88	ND		1.20	1.000
CARBON TETRACHLORIDE	NA	12/08/88	ND		0.60	1.000
CHLOROBENZENE	NA	12/08/88	ND		1.25	1.000
CHLOROETHANE	NA	12/08/88	ND		0.52	1.000
CHLOROFORM	NA	12/08/88	0.12		0.25	1.000
2-CHLOROETHYL VINYL ETHER	NA	12/08/88	ND		0.13	1.000
CHLOROMETHANE	NA	12/08/88	0.34		0.08	1.000
DIBROMOCHLOROMETHANE	NA	12/08/88	ND		0.45	1.000
1,2-DICHLOROBENZENE	NA	12/08/88	ND		0.75	1.000
1,3-DICHLOROBENZENE	NA	12/08/88	ND		1.60	1.000
1,4-DICHLOROBENZENE	NA	12/08/88	ND		1.20	1.000
1,1-DICHLOROETHANE	NA	12/08/88	ND		0.70	1.000
1,2-DICHLOROETHANE	NA	12/08/88	ND		0.15	1.000
1,1-DICHLOROETHENE	NA	12/08/88	ND		0.65	1.000
TRANS-1,2-DICHLOROETHENE	NA	12/08/88	ND		0.50	1.000
DICHLOROMETHANE	NA	12/08/88	ND		1.25	1.000
1,2-DICHLOROPROPANE	NA	12/08/88	ND		0.04	1.000
TRANS-1,3-DICHLOROPROPENE	NA	12/08/88	ND		0.20	1.000
1,1,2,2-TETRACHLOROETHANE	NA	12/08/88	ND		0.15	1.000
TETRACHLOROETHENE	NA	12/08/88	ND		0.15	1.000
1,1,1-TRICHLOROETHANE	NA	12/08/88	0.86		0.15	1.000
1,1,2-TRICHLOROETHANE	NA	12/08/88	ND		0.10	1.000
TRICHLOROETHENE	NA	12/08/88	ND		0.60	1.000
TRICHLOROFLUOROMETHANE	NA	12/08/88	ND		0.50	1.000
VINYL CHLORIDE	NA	12/08/88	ND		0.18	1.000

ENGINEERING SCIENCE 135-07

C:\R-098.DDF

CUSTOMER ID: SC6-MW1-GW1-ES

metaTRACE LAB ID: AA22817

SAMPLE DATE: 12/04/88

MATRIX: WATER

CATEGORY: AROMATIC VOA

METHOD: 948020

UNITS: UG/L

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05/16/89

PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	DIL
BENZENE	NA	12/08/88	ND		0.20	1.000
CHLOROBENZENE	NA	12/08/88	ND		0.20	1.000
1,2-DICHLOROBENZENE	NA	12/08/88	ND		0.40	1.000
1,3-DICHLOROBENZENE	NA	12/08/88	ND		0.40	1.000
1,4-DICHLOROBENZENE	NA	12/08/88	ND		0.30	1.000
ETHYL BENZENE	NA	12/08/88	ND		0.20	1.000
TOLUENE	NA	12/08/88	0.40		0.20	1.000
O-KYLENE	NA	12/08/88	0.29		0.20	1.000
M-KYLENE	NA	12/08/88	0.78		0.20	1.000
P-KYLENE	NA	12/08/88	ND		0.20	1.000

ENGINEERING SCIENCE 135-07

C:\R-070.DOF

CUSTOMER ID: 06A-MM1-QM1-03

metaTRACE LAB ID: AA22817

SAMPLE DATE: 12/04/88

MATRIX: WATER

CATEGORY: PP_METALS

METHOD: EPA 6010

UNITS: UG/L

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05/16/89

PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	DIL
Antimony	NA	01/30/89	ND		60.00	1.000
Arsenic	NA	01/30/89	ND		10.00	1.000
Beryllium	NA	01/30/89	ND		5.00	1.000
Cadmium	NA	01/30/89	ND		5.00	1.000
Chromium	NA	01/30/89	ND		10.00	1.000
Copper	NA	01/30/89	ND		25.00	1.000
Lead	NA	01/03/89	10.70		5.00	1.000
Mercury	NA	12/16/88	0.40		0.20	1.000
Nickel	NA	01/30/89	ND		40.00	1.000
Selenium	NA	01/30/89	ND		5.00	1.000
Silver	NA	01/30/89	ND		10.00	1.000
Thallium	NA	01/30/89	ND		10.00	1.000
Zinc	NA	01/30/89	ND		20.00	1.000

ENGINEERING SCIENCE 135-87

C:\R-070.DOF

CUSTOMER ID: SC0-10/1-01/1-ES MS

metaTRACE LAB ID: AA22819

SAMPLE DATE: 12/04/88

MATRIX: WATER

CATEGORY: MISC.

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05/16/89

PARAMETER	METHOD	DATE EXT	DATE_AMA	CONC.	UNITS	ERR	DL	OIL
Total Petroleum Hydrocarbons	EPA 418.1	NA	12/15/88	ND	MG/L		2.00	1.000

ENGINEERING SCIENCE 135-07

WV0002.000

CUSTOMER ID: BCS-M/1-M/1-ES-M80

metaTRACE LAB ID: AA22819

SAMPLE DATE: 12/04/88

MATRIX: WATER

CATEGORY: MISC.

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08/03/89
1002

PARAMETER	METHOD	DATE EXT	DATE_AMA	CONC.	UNITS	ERR	DL	DIL
Total Petroleum Hydrocarbons	EPA 418.1	NA	12/15/88	ND	MB/L		2.00	1.000

ENGINEERING SCIENCE 133-07

C:\E-098.D07

CUSTOMER ID: SC6-MW2-QW1-ES

metaTRACE LAB ID: AA22816

SAMPLE DATE: 12/04/88

MATRIX: WATER

CATEGORY: MISC.

Page No. 1
05/16/89

PARAMETER	METHOD	DATE EXT	DATE_AAA	CONC.	UNITS	ERR	DL	DIL
Total Petroleum Hydrocarbons	EPA 418.1	NA	12/15/88	ND	MG/L		2.00	1.000

ENGINEERING SCIENCE 135-07

C:R-098.00F

CUSTOMER ID: 9CA-M42-GM1-ES

netaTRACE LAB ID: AA22816

SAMPLE DATE: 12/04/88

MATRIX: WATER

CATEGORY: HALOGENATED VOA

METHOD: 948010

UNITS: UG/L

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05/16/89

PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	DIL
BIS(2-CHLOROETHOXY) METHANE	NA	12/08/88	ND		0.50	1.000
BIS(2-CHLOROISOPROPYL) ETHER	NA	12/08/88	ND		0.80	1.000
BROMODICHLOROMETHANE	NA	12/08/88	ND		0.10	1.000
BROMOFORM	NA	12/08/88	ND		1.00	1.000
BROMOMETHANE	NA	12/08/88	ND		1.20	1.000
CARBON TETRACHLORIDE	NA	12/08/88	ND		0.60	1.000
CHLOROBENZENE	NA	12/08/88	ND		1.25	1.000
CHLOROETHANE	NA	12/08/88	ND		0.52	1.000
CHLOROFORM	NA	12/08/88	0.34		0.25	1.000
2-CHLOROETHYL VINYL ETHER	NA	12/08/88	ND		0.13	1.000
CHLOROMETHANE	NA	12/08/88	0.31		0.08	1.000
DIBROMOCHLOROMETHANE	NA	12/08/88	ND		0.45	1.000
1,2-DICHLOROBENZENE	NA	12/08/88	ND		0.75	1.000
1,3-DICHLOROBENZENE	NA	12/08/88	ND		1.60	1.000
1,4-DICHLOROBENZENE	NA	12/08/88	ND		1.20	1.000
1,1-DICHLOROETHANE	NA	12/08/88	ND		0.70	1.000
1,2-DICHLOROETHANE	NA	12/08/88	ND		0.15	1.000
1,1-DICHLOROETHENE	NA	12/08/88	ND		0.65	1.000
TRANS-1,2-DICHLOROETHENE	NA	12/08/88	ND		0.50	1.000
DICHLOROETHANE	NA	12/08/88	ND		1.25	1.000
1,2-DICHLOROPROPANE	NA	12/08/88	ND		0.04	1.000
TRANS-1,3-DICHLOROPROPENE	NA	12/08/88	ND		0.20	1.000
1,1,2,2-TETRACHLOROETHANE	NA	12/08/88	ND		0.15	1.000
TETRACHLOROETHENE	NA	12/08/88	ND		0.15	1.000
1,1,1-TRICHLOROETHANE	NA	12/08/88	0.67		0.15	1.000
1,1,2-TRICHLOROETHANE	NA	12/08/88	ND		0.10	1.000
TRICHLOROETHENE	NA	12/08/88	7.28		0.60	1.000
TRICHLOROFLUOROMETHANE	NA	12/08/88	ND		0.50	1.000
VINYL CHLORIDE	NA	12/08/88	ND		0.18	1.000

ENGINEERING SCIENCE 135-07

C:\R-098.009

CUSTOMER ID: BC6-MW2-QW1-ES

etaTRACE LAB ID: AA22816

SAMPLE DATE: 12/04/88

MATRIX: WATER

CATEGORY: AROMATIC VOA

METHOD: SUB020

UNITS: UG/L

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05/16/89

PARAMETER	DATE_EXT	DATE_AMA	CONC.	ERR	DL	DIL
BENZENE	NA	12/08/88	0.47	-	0.20	1.000
CHLOROBENZENE	NA	12/08/88	ND		0.20	1.000
1,2-DICHLOROBENZENE	NA	12/08/88	1.43	-	0.40	1.000
1,3-DICHLOROBENZENE	NA	12/08/88	ND		0.40	1.000
1,4-DICHLOROBENZENE	NA	12/08/88	ND		0.30	1.000
ETHYL BENZENE	NA	12/08/88	1.26	+	0.20	1.000
TOLUENE	NA	12/08/88	1.85	+	0.20	1.000
O-XYLENE	NA	12/08/88	1.46 ✓	+	0.20	1.000
M-XYLENE	NA	12/08/88	0.86		0.20	1.000
P-XYLENE	NA	12/08/88	ND		0.20	1.000

ENGINEERING SCIENCE 135-07

C:R-098.D8F

CUSTOMER ID: SC6-M42-GW1-E8

netaTRACE LAB ID: AA22816

SAMPLE DATE: 12/04/88

MATRIX: WATER

CATEGORY: PP_METALS

METHOD: EPA 6010

UNITS: UG/L

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05/16/89

PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	DIL
Antimony	NA	01/30/89	ND		60.00	1.000
Arsenic	NA	01/30/89	ND		10.00	1.000
Beryllium	NA	01/30/89	ND		5.00	1.000
Cadmium	NA	01/30/89	ND		5.00	1.000
Chromium	NA	01/30/89	ND		10.00	1.000
Copper	NA	01/30/89	ND		25.00	1.000
Lead	NA	01/03/89	11.00		5.00	1.000
Mercury	NA	12/16/89	0.34		0.20	1.000
Nickel	NA	01/30/89	ND		40.00	1.000
Selenium	NA	01/30/89	ND		5.00	1.000
Silver	NA	01/30/89	ND		10.00	1.000
Thallium	NA	01/30/89	ND		10.00	1.000
Zinc	NA	01/30/89	ND		20.00	1.000

ENGINEERING SCIENCE 133-07

C:\R-09A.DOF

CUSTOMER ID: SC6-MIS-GW1-E8

metaTRACE LAB ID: AAZ2814

SAMPLE DATE: 12/04/88

MATRIX: WATER

CATEGORY: MISC.

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05/16/89

PARAMETER	METHOD	DATE EXT	DATE_AMA	CONC.	UNITS	ERR	DL	DIL
Total Petroleum Hydrocarbons	EPA 418.1	NA	12/15/88	ND	MG/L		2.00	1.000

ENGINEERING SCIENCE 133-07

C:\R-09A.DBF

CUSTOMER ID: BC6-MJ3-GW1-ES

metaTRACE LAB ID: AA22816

SAMPLE DATE: 12/04/88

MATRIX: WATER

CATEGORY: HALOGENATED VOA

METHOD: SUB010

UNITS: UG/L

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PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	DIL
BIS(2-CHLOROETHOXY) METHANE	NA	12/08/88	ND		0.50	1.000
BIS(2-CHLOROISOPROPYL) ETHER	NA	12/08/88	ND		0.80	1.000
BROMODICHLOROMETHANE	NA	12/08/88	ND		0.10	1.000
BROMOFORM	NA	12/08/88	ND		1.00	1.000
BROMOMETHANE	NA	12/08/88	ND		1.20	1.000
CARBON TETRACHLORIDE	NA	12/08/88	ND		0.60	1.000
CHLOROBENZENE	NA	12/08/88	ND		1.25	1.000
CHLOROETHANE	NA	12/08/88	ND		0.52	1.000
CHLOROFORM	NA	12/08/88	0.12		0.25	1.000
2-CHLOROETHYL VINYL ETHER	NA	12/08/88	ND		0.13	1.000
CHLOROMETHANE	NA	12/08/88	0.57		0.08	1.000
DIBROMOCHLOROMETHANE	NA	12/08/88	ND		0.45	1.000
1,2-DICHLOROBENZENE	NA	12/08/88	ND		0.75	1.000
1,3-DICHLOROBENZENE	NA	12/08/88	ND		1.60	1.000
1,4-DICHLOROBENZENE	NA	12/08/88	ND		1.20	1.000
1,1-DICHLOROETHANE	NA	12/08/88	ND		0.70	1.000
1,2-DICHLOROETHANE	NA	12/08/88	ND		0.15	1.000
1,1-DICHLOROETHENE	NA	12/08/88	ND		0.65	1.000
TRANS-1,2-DICHLOROETHENE	NA	12/08/88	ND		0.50	1.000
DICHLOROMETHANE	NA	12/08/88	ND		1.25	1.000
1,2-DICHLOROPROPANE	NA	12/08/88	ND		0.04	1.000
TRANS-1,3-DICHLOROPROPENE	NA	12/08/88	ND		0.20	1.000
1,1,2,2-TETRACHLOROETHANE	NA	12/08/88	ND		0.15	1.000
TETRACHLOROETHENE	NA	12/08/88	ND		0.15	1.000
1,1,1-TRICHLOROETHANE	NA	12/08/88	1.34		0.15	1.000
1,1,2-TRICHLOROETHANE	NA	12/08/88	ND		0.10	1.000
TRICHLOROETHENE	NA	12/08/88	ND		0.60	1.000
TRICHLOROFLUOROMETHANE	NA	12/08/88	ND		0.50	1.000
VINYL CHLORIDE	NA	12/08/88	ND		0.18	1.000

ENGINEERING SCIENCE 135-07

C:\R-09A.DOF

CUSTOMER ID: BC6-M43-GW1-ES

metaTRACE LAB ID: AA22814

SAMPLE DATE: 12/04/88

MATRIX: WATER

CATEGORY: AROMATIC VOA

METHOD: SUB020

UNITS: UG/L

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05/16/89

PARAMETER	DATE_EXT	DATE_AMA	CONC.	ERR	DL	DIL
BENZENE	NA	12/08/88	0.25	-	0.20	1.000
CHLOROBENZENE	NA	12/08/88	ND		0.20	1.000
1,2-DICHLOROBENZENE	NA	12/08/88	ND		0.40	1.000
1,3-DICHLOROBENZENE	NA	12/08/88	ND		0.40	1.000
1,4-DICHLOROBENZENE	NA	12/08/88	ND		0.30	1.000
ETHYL BENZENE	NA	12/08/88	ND		0.20	1.000
TOLUENE	NA	12/08/88	0.87		0.20	1.000
O-XYLENE	NA	12/08/88	0.42		0.20	1.000
M-XYLENE	NA	12/08/88	0.80		0.20	1.000
P-XYLENE	NA	12/08/88	ND		0.20	1.000

ENGINEERING SCIENCE 133-07

C:R-09A.009

CUSTOMER ID: BCS-NMS-001-ES

metaTRACE LAB ID: AA22814

SAMPLE DATE: 12/04/88

MATRIX: WATER

CATEGORY: PP_METALS

METHOD: EPA 6010

UNITS: UG/L

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05/16/89

PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	DIL
Antimony	NA	01/30/89	ND		60.00	1.000
Arsenic	NA	01/30/89	ND		10.00	1.000
Beryllium	NA	01/30/89	ND		5.00	1.000
Cadmium	NA	01/30/89	ND		5.00	1.000
Chromium	NA	01/30/89	ND		10.00	1.000
Copper	NA	01/30/89	ND		25.00	1.000
Lead	NA	01/03/89	15.30		5.00	1.000
Mercury	NA	12/15/88	0.33		0.20	1.000
Nickel	NA	01/30/89	ND		40.00	1.000
Selenium	NA	01/30/89	ND		5.00	1.000
Silver	NA	01/30/89	ND		10.00	1.000
Thallium	NA	01/30/89	ND		10.00	1.000
Zinc	NA	01/30/89	20.90		20.00	1.000

ENGINEERING SCIENCE 135-07

C:\R-09A.DBF

CUSTOMER ID: SC6-MW10-GW1-ES

metaTRACE LAB ID: AA22819

SAMPLE DATE: 12/04/88

MATRIX: WATER

CATEGORY: MISC.

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05/16/89

PARAMETER	METHOD	DATE EXT	DATE_ANA	CONC.	UNITS	ERR	DL	DIL
Total Petroleum Hydrocarbons	EPA 418.1	NA	12/15/88	ND	MG/L		2.00	1.000

ENGINEERING SCIENCE 135-07

C:\R-09A.DOF

CUSTOMER ID: SC6-MW10-GW1-ES

metaTRACE LAB ID: AA22815

SAMPLE DATE: 12/04/88

MATRIX: WATER

CATEGORY: HALOGENATED VOC

METHOD: SMD010

UNITS: UG/L

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05/16/89

PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	DIL
BIS(2-CHLOROETHOXY) METHANE	NA	12/08/88	ND		0.50	1.000
BIS(2-CHLOROISOPROPYL) ETHER	NA	12/08/88	ND		0.80	1.000
BROMODICHLOROMETHANE	NA	12/08/88	ND		0.10	1.000
BROMOFORM	NA	12/08/88	ND		1.00	1.000
BROMOMETHANE	NA	12/08/88	ND		1.20	1.000
CARBON TETRACHLORIDE	NA	12/08/88	ND		0.60	1.000
CHLOROBENZENE	NA	12/08/88	ND		1.25	1.000
CHLOROETHANE	NA	12/08/88	ND		0.52	1.000
CHLOROFORM	NA	12/08/88	0.67		0.25	1.000
2-CHLOROETHYL VINYL ETHER	NA	12/08/88	ND		0.13	1.000
CHLOROMETHANE	NA	12/08/88	0.38		0.08	1.000
DIBROMODICHLOROMETHANE	NA	12/08/88	ND		0.45	1.000
1,2-DICHLOROBENZENE	NA	12/08/88	ND		0.75	1.000
1,3-DICHLOROBENZENE	NA	12/08/88	ND		1.60	1.000
1,4-DICHLOROBENZENE	NA	12/08/88	ND		1.20	1.000
1,1-DICHLOROETHANE	NA	12/08/88	ND		0.70	1.000
1,2-DICHLOROETHANE	NA	12/08/88	ND		0.15	1.000
1,1-DICHLOROETHENE	NA	12/08/88	ND		0.65	1.000
TRANS-1,2-DICHLOROETHENE	NA	12/08/88	ND		0.50	1.000
DICHLOROETHANE	NA	12/08/88	ND		1.25	1.000
1,2-DICHLOROPROPANE	NA	12/08/88	ND		0.04	1.000
TRANS-1,3-DICHLOROPROPENE	NA	12/08/88	ND		0.20	1.000
1,1,2,2-TETRACHLOROETHANE	NA	12/08/88	ND		0.15	1.000
TETRACHLOROETHENE	NA	12/08/88	ND		0.15	1.000
1,1,1-TRICHLOROETHANE	NA	12/08/88	0.67		0.15	1.000
1,1,2-TRICHLOROETHANE	NA	12/08/88	ND		0.10	1.000
TRICHLOROETHENE	NA	12/08/88	ND		0.60	1.000
TRICHLOROFLUOROETHANE	NA	12/08/88	ND		0.50	1.000
VINYL CHLORIDE	NA	12/08/88	ND		0.18	1.000

ENGINEERING SCIENCE 135-07

C:R-09A.007

CUSTOMER ID: BC6-MW10-GW1-E8

metATRACE LAB ID: AA22815

SAMPLE DATE: 12/04/88

MATRIX: WATER

CATEGORY: AROMATIC VOA

METHOD: 816030

UNITS: UG/L

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05/16/89

PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	DIL
BENZENE	NA	12/08/88	ND		0.20	1.000
CHLOROBENZENE	NA	12/08/88	ND		0.20	1.000
1,2-DICHLOROBENZENE	NA	12/08/88	ND		0.40	1.000
1,3-DICHLOROBENZENE	NA	12/08/88	ND		0.40	1.000
1,4-DICHLOROBENZENE	NA	12/08/88	ND		0.30	1.000
ETHYL BENZENE	NA	12/08/88	ND		0.20	1.000
TOLUENE	NA	12/08/88	0.53		0.20	1.000
O-XYLENE	NA	12/08/88	0.27		0.20	1.000
M-XYLENE	NA	12/08/88	0.75		0.20	1.000
P-XYLENE	NA	12/08/88	ND		0.20	1.000

ENGINEERING SCIENCE 135-07

C:\R-09A.BOF

CUSTOMER ID: SC6-M/10-0M1-08

metaTRACE LAB ID: AA22815

SAMPLE DATE: 12/04/08

MATRIX: WATER

CATEGORY: PP_METALS

METHOD: EPA 6010

UNITS: UG/L

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05/16/09

PARAMETER	DATE_EXT	DATE_AMA	CONC.	ERR	DL	DIL
Antimony	NA	01/30/09	ND		60.00	1.000
Arsenic	NA	01/30/09	ND		10.00	1.000
Beryllium	NA	01/30/09	ND		5.00	1.000
Cadmium	NA	01/30/09	ND		5.00	1.000
Chromium	NA	01/30/09	ND		10.00	1.000
Copper	NA	01/30/09	ND		25.00	1.000
Lead	NA	01/03/09	16.10		5.00	1.000
Mercury	NA	12/15/08	0.20		0.20	1.000
Nickel	NA	01/30/09	ND		40.00	1.000
Selenium	NA	01/30/09	ND		5.00	1.000
Silver	NA	01/30/09	ND		10.00	1.000
Thallium	NA	01/30/09	ND		10.00	1.000
Zinc	NA	01/30/09	ND		20.00	1.000

ENGINEERING SCIENCE 135-07

C:\R-07078.DBF

BC-MW12
CUSTOMER ID: 06-MM-GW1-ES

netaTRACE LAB ID: AA22767

SAMPLE DATE: 12/01/88

MATRIX: WATER

CATEGORY: PP_METALS

METHOD: EPA 6010

UNITS: UG/L

Page No. 1
05/16/89

PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	DIL
Antimony	NA	12/27/88	ND		60.00	1.000
Arsenic	NA	12/21/88	ND		10.00	1.000
Beryllium	NA	12/27/88	ND		5.00	1.000
Cadmium	NA	12/27/88	ND		5.00	1.000
Chromium	NA	12/27/88	ND		10.00	1.000
Copper	NA	12/27/88	ND		25.00	1.000
Lead	NA	12/21/88	7.62		5.00	1.000
Mercury	NA	12/09/88	0.57		0.20	1.000
Nickel	NA	12/27/88	ND		40.00	1.000
Selenium	NA	12/22/88	ND		5.00	1.000
Silver	NA	12/27/88	ND		10.00	1.000
Thallium	NA	12/21/88	ND		10.00	1.000
Zinc	NA	12/27/88	ND		20.00	1.000

ENGINEERING SCIENCE 135-07

C:\R-07078.D09

BC-MWR
 CUSTOMER ID: 86-WA1-GW1-ES

metaTRACE LAB ID: AA22767

SAMPLE DATE: 12/01/88

MATRIX: WATER

CATEGORY: SEMI-VOLATILES

METHOD: EPA 8270

UNITS: UG/L

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05/16/89

PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	DIL
Phenol	12/07/88	12/14/88	ND		10.00	1.000
bis(2-Chloroethyl) ether	12/07/88	12/14/88	ND		10.00	1.000
2-Chlorophenol	12/07/88	12/14/88	ND		10.00	1.000
1,3-Dichlorobenzene	12/07/88	12/14/88	ND		10.00	1.000
1,4-Dichlorobenzene	12/07/88	12/14/88	ND		10.00	1.000
Benzyl Alcohol	12/07/88	12/14/88	ND		10.00	1.000
1,2-Dichlorobenzene	12/07/88	12/14/88	ND		10.00	1.000
2-Methylphenol	12/07/88	12/14/88	ND		10.00	1.000
bis(2-Chloroisopropyl) ether	12/07/88	12/14/88	ND		10.00	1.000
4-Methylphenol	12/07/88	12/14/88	ND		10.00	1.000
N-Nitroso-Dipropylamine	12/07/88	12/14/88	ND		10.00	1.000
Hexachloroethane	12/07/88	12/14/88	ND		10.00	1.000
Nitrobenzene	12/07/88	12/14/88	ND		10.00	1.000
Isophorane	12/07/88	12/14/88	ND		10.00	1.000
2-Nitrophenol	12/07/88	12/14/88	ND		50.00	1.000
2,4-Dimethylphenol	12/07/88	12/14/88	ND		10.00	1.000
Benzoic Acid	12/07/88	12/14/88	ND		50.00	1.000
bis(2-Chloroethoxy) methane	12/07/88	12/14/88	ND		10.00	1.000
2,4-Dichlorophenol	12/07/88	12/14/88	ND		10.00	1.000
1,2,4-Trichlorobenzene	12/07/88	12/14/88	ND		10.00	1.000
Naphthalene	12/07/88	12/14/88	ND		10.00	1.000
4-Chloroaniline	12/07/88	12/14/88	ND		10.00	1.000
Hexachlorobutadiene	12/07/88	12/14/88	ND		10.00	1.000
4-Chloro-3-methylphenol	12/07/88	12/14/88	ND		10.00	1.000
2-Methylnaphthalene	12/07/88	12/14/88	ND		10.00	1.000
Hexachlorocyclopentadiene	12/07/88	12/14/88	ND		10.00	1.000
2,4,6-Trichlorophenol	12/07/88	12/14/88	ND		10.00	1.000
2,4,5-Trichlorophenol	12/07/88	12/14/88	ND		50.00	1.000
2-Chloronaphthalene	12/07/88	12/14/88	ND		10.00	1.000
2-Nitroaniline	12/07/88	12/14/88	ND		50.00	1.000
Dimethyl Phthalate	12/07/88	12/14/88	ND		10.00	1.000
Acenaphthylene	12/07/88	12/14/88	ND		10.00	1.000
2,6-Dinitrotoluene	12/07/88	12/14/88	ND		10.00	1.000
3-Nitroaniline	12/07/88	12/14/88	ND		50.00	1.000
Acenaphthene	12/07/88	12/14/88	ND		10.00	1.000
2,4-Dinitrophenol	12/07/88	12/14/88	ND		50.00	1.000
4-Nitrophenol	12/07/88	12/14/88	ND		50.00	1.000
Dibenzofuran	12/07/88	12/14/88	ND		10.00	1.000
2,4-Dinitrotoluene	12/07/88	12/14/88	ND		10.00	1.000
Diethylphthalate	12/07/88	12/14/88	ND		10.00	1.000
4-Chlorophenyl Phenyl Ether	12/07/88	12/14/88	ND		10.00	1.000
Fluorene	12/07/88	12/14/88	ND		10.00	1.000
4-Nitroaniline	12/07/88	12/14/88	ND		50.00	1.000

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05/16/89

PARAMETER	DATE_EXT	DATE_AMA	CONC.	ERR	DL	DIL
4,6-Dinitro-2-ethylphenol	12/07/88	12/14/88		ND	50.00	1.000
N-nitrosodiphenylamine	12/07/88	12/14/88		ND	10.00	1.000
4-Bromophenyl Phenyl ether	12/07/88	12/14/88		ND	10.00	1.000
Hexachlorobenzene	12/07/88	12/14/88		ND	10.00	1.000
Pentachlorophenol	12/07/88	12/14/88		ND	50.00	1.000
Phenanthrene	12/07/88	12/14/88		ND	10.00	1.000
Anthracene	12/07/88	12/14/88		ND	10.00	1.000
Di-n-butylphthalate	12/07/88	12/14/88		ND	10.00	1.000
Fluoranthene	12/07/88	12/14/88		ND	10.00	1.000
Pyrene	12/07/88	12/14/88		ND	10.00	1.000
Butyl Benzyl Phthalate	12/07/88	12/14/88		ND	10.00	1.000
3,3'-Dichlorobenzidine	12/07/88	12/14/88		ND	20.00	1.000
Benzo(a)anthracene	12/07/88	12/14/88		ND	10.00	1.000
Chrysene	12/07/88	12/14/88		ND	10.00	1.000
bis(2-ethylhexyl)phthalate	12/07/88	12/14/88		ND	10.00	1.000
Di-n-octyl Phthalate	12/07/88	12/14/88		ND	10.00	1.000
Benzo(b)fluoranthene	12/07/88	12/14/88		ND	10.00	1.000
Benzo(k)fluoranthene	12/07/88	12/14/88		ND	10.00	1.000
Benzo(a)pyrene	12/07/88	12/14/88		ND	10.00	1.000

ENGINEERING SCIENCE 135-07

C:R-07070.009

BC-MWR
CUSTOMER ID: BC-MW-001-ES

metaTRACE LAB ID: AA22767

SAMPLE DATE: 12/01/88

MATRIX: WATER

CATEGORY: HALOGENATED VOC

METHOD: SUB010

UNITS: UG/L

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05/16/89

PARAMETER	DATE_EXT	DATE_ASA	CONC.	ERR	DL	DIL
BIS(2-CHLOROETHOXY) METHANE	NA	12/05/88	ND		0.50	1.000
BIS(2-CHLOROISOPROPYL) ETHER	NA	12/05/88	ND		0.80	1.000
BROMODICHLOROMETHANE	NA	12/05/88	ND		0.10	1.000
BROMOFORM	NA	12/05/88	ND		1.00	1.000
BROMOMETHANE	NA	12/05/88	ND		1.20	1.000
CARBON TETRACHLORIDE	NA	12/05/88	ND		0.60	1.000
CHLOROBENZENE	NA	12/05/88	ND		1.25	1.000
CHLOROETHANE	NA	12/05/88	ND		0.52	1.000
CHLOROPORN	NA	12/05/88	6.00	-	0.25	1.000
2-CHLOROETHYL VINYL ETHER	NA	12/05/88	ND		0.13	1.000
CHLOROETHANE	NA	12/05/88	0.37	-	0.08	1.000
DIBROMODICHLOROMETHANE	NA	12/05/88	ND		0.45	1.000
1,2-DICHLOROBENZENE	NA	12/05/88	ND		0.75	1.000
1,3-DICHLOROBENZENE	NA	12/05/88	ND		1.60	1.000
1,4-DICHLOROBENZENE	NA	12/05/88	ND		1.20	1.000
1,1-DICHLOROETHANE	NA	12/05/88	ND		0.70	1.000
1,2-DICHLOROETHANE	NA	12/05/88	ND		0.15	1.000
1,1-DICHLOROETHENE	NA	12/05/88	ND		0.65	1.000
TRANS-1,2-DICHLOROETHENE	NA	12/05/88	0.11	-	0.50	1.000
DICHLOROETHANE	NA	12/05/88	ND		1.25	1.000
1,2-DICHLOROPROPANE	NA	12/05/88	ND		0.04	1.000
TRANS-1,3-DICHLOROPROPENE	NA	12/05/88	ND		0.20	1.000
1,1,2,2-TETRACHLOROETHANE	NA	12/05/88	ND		0.15	1.000
TETRACHLOROETHENE	NA	12/05/88	2.68	+	0.15	1.000
1,1,1-TRICHLOROETHANE	NA	12/05/88	2.35	+	0.15	1.000
1,1,2-TRICHLOROETHANE	NA	12/05/88	ND		0.10	1.000
TRICHLOROETHENE	NA	12/05/88	4.99	+	0.60	1.000
TRICHLOROFLUOROMETHANE	NA	12/05/88	ND		0.50	1.000
VINYL CHLORIDE	NA	12/05/88	ND		0.18	1.000

ENGINEERING SCIENCE 135-07

C:R-07070.889

CUSTOMER ID: ^{BC-TMWZ} 06-104-041-ES

metatrace LAB ID: AA22767

SAMPLE DATE: 12/01/88

MATRIX: WATER

CATEGORY: AROMATIC VOC

METHOD: 818020

UNITS: ug/L

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05/16/89

PARAMETER	DATE_EXT	DATE_AMA	CONC.	ERR	DL	OIL
BENZENE	NA	12/05/88	ND		0.20	1.000
CHLOROBENZENE	NA	12/05/88	ND		0.20	1.000
1,2-DICHLOROBENZENE	NA	12/05/88	ND		0.40	1.000
1,3-DICHLOROBENZENE	NA	12/05/88	ND		0.40	1.000
1,4-DICHLOROBENZENE	NA	12/05/88	ND		0.30	1.000
ETHYL BENZENE	NA	12/05/88	ND		0.20	1.000
TOLUENE	NA	12/05/88	0.54	-	0.20	1.000
O-XYLENE	NA	12/05/88	0.32	-	0.20	1.000
M-XYLENE	NA	12/05/88	ND		0.20	1.000
P-XYLENE	NA	12/05/88	ND		0.20	1.000

ENGINEERING SCIENCE 135-07

C:R-0706.D0F

CUSTOMER ID: BC-MW1-GW1-ES

etaTRACE LAB ID: AA22517

SAMPLE DATE: 11/30/88

MATRIX: WATER

CATEGORY: SEMI-VOLATILES

METHOD: EPA 8270

UNITS: UG/L

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05/16/89

PARAMETER	DATE_EXT	DATE_AMA	CONC.	ERR	DL	DIL
Phenol	12/07/88	12/12/88	ND		10.00	1.000
bis(2-Chloroethyl) ether	12/07/88	12/12/88	ND		10.00	1.000
2-Chlorophenol	12/07/88	12/12/88	ND		10.00	1.000
1,3-Dichlorobenzene	12/07/88	12/12/88	ND		10.00	1.000
1,4-Dichlorobenzene	12/07/88	12/12/88	ND		10.00	1.000
Benzyl Alcohol	12/07/88	12/12/88	ND		10.00	1.000
1,2-Dichlorobenzene	12/07/88	12/12/88	ND		10.00	1.000
2-Methylphenol	12/07/88	12/12/88	ND		10.00	1.000
bis(2-Chloroisopropyl) ether	12/07/88	12/12/88	ND		10.00	1.000
4-Methylphenol	12/07/88	12/12/88	ND		10.00	1.000
N-Nitroso-Dipropylamine	12/07/88	12/12/88	ND		10.00	1.000
Hexachloroethane	12/07/88	12/12/88	ND		10.00	1.000
Nitrobenzene	12/07/88	12/12/88	ND		10.00	1.000
Isophorane	12/07/88	12/12/88	ND		10.00	1.000
2-Nitrophenol	12/07/88	12/12/88	ND		50.00	1.000
2,4-Dimethylphenol	12/07/88	12/12/88	ND		10.00	1.000
Benzoic Acid	12/07/88	12/12/88	ND		50.00	1.000
bis(2-Chloroethoxy) methane	12/07/88	12/12/88	ND		10.00	1.000
2,4-Dichlorophenol	12/07/88	12/12/88	ND		10.00	1.000
1,2,4-Trichlorobenzene	12/07/88	12/12/88	ND		10.00	1.000
Naphthalene	12/07/88	12/12/88	ND		10.00	1.000
4-Chloroaniline	12/07/88	12/12/88	ND		10.00	1.000
Hexachlorobutadiene	12/07/88	12/12/88	ND		10.00	1.000
4-Chloro-3-methylphenol	12/07/88	12/12/88	ND		10.00	1.000
2-Methylnaphthalene	12/07/88	12/12/88	ND		10.00	1.000
Hexachlorocyclopentadiene	12/07/88	12/12/88	ND		10.00	1.000
2,4,6-Trichlorophenol	12/07/88	12/12/88	ND		10.00	1.000
2,4,5-Trichlorophenol	12/07/88	12/12/88	ND		50.00	1.000
2-Chloronaphthalene	12/07/88	12/12/88	ND		10.00	1.000
2-Nitroaniline	12/07/88	12/12/88	ND		50.00	1.000
Dimethyl Phthalate	12/07/88	12/12/88	ND		10.00	1.000
Acenaphthylene	12/07/88	12/12/88	ND		10.00	1.000
2,6-Dinitrotoluene	12/07/88	12/12/88	ND		10.00	1.000
3-Nitroaniline	12/07/88	12/12/88	ND		50.00	1.000
Acenaphthene	12/07/88	12/12/88	ND		10.00	1.000
2,4-Dinitrophenol	12/07/88	12/12/88	ND		50.00	1.000
4-Nitrophenol	12/07/88	12/12/88	ND		50.00	1.000
Dibenzofuran	12/07/88	12/12/88	ND		10.00	1.000
2,4-Dinitrotoluene	12/07/88	12/12/88	ND		10.00	1.000
Diethylphthalate	12/07/88	12/12/88	ND		10.00	1.000
4-Chlorophenyl Phenyl Ether	12/07/88	12/12/88	ND		10.00	1.000
Fluorene	12/07/88	12/12/88	ND		10.00	1.000
4-Nitroaniline	12/07/88	12/12/88	ND		50.00	1.000

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05/14/89

PARAMETER	DATE_EXT	DATE_AIA	CONC.	ERR	DL	DIL
4,6-Dinitro-2-methylphenol	12/07/88	12/12/88		ND	50.00	1.000
N-nitrosodiphenylamine	12/07/88	12/12/88		ND	10.00	1.000
4-Bromophenyl Phenyl ether	12/07/88	12/12/88		ND	10.00	1.000
Hexachlorobenzene	12/07/88	12/12/88		ND	10.00	1.000
Pentachlorophenol	12/07/88	12/12/88		ND	50.00	1.000
Phenanthrene	12/07/88	12/12/88		ND	10.00	1.000
Anthracene	12/07/88	12/12/88		ND	10.00	1.000
Di-n-butylphthalate	12/07/88	12/12/88		ND	10.00	1.000
Fluoranthene	12/07/88	12/12/88		ND	10.00	1.000
Pyrene	12/07/88	12/12/88		ND	10.00	1.000
Butyl Benzyl Phthalate	12/07/88	12/12/88		ND	10.00	1.000
3,3'-Dichlorobenzidine	12/07/88	12/12/88		ND	20.00	1.000
Benzo(a)anthracene	12/07/88	12/12/88		ND	10.00	1.000
Chrysene	12/07/88	12/12/88		ND	10.00	1.000
bis(2-ethylhexyl)phthalate	12/07/88	12/12/88		ND	10.00	1.000
Di-n-octyl Phthalate	12/07/88	12/12/88		ND	10.00	1.000
Benzo(b)fluoranthene	12/07/88	12/12/88		ND	10.00	1.000
Benzo(k)fluoranthene	12/07/88	12/12/88		ND	10.00	1.000
Benzo(a)pyrene	12/07/88	12/12/88		ND	10.00	1.000

ENGINEERING SCIENCE 135-07

C:\R-0706.D0F

CUSTOMER ID: BC-MW1-021-ES

metaTRACE LAB ID: AA22517

SAMPLE DATE: 11/30/88

MATRIX: WATER

CATEGORY: HALOGENATED VOA

METHOD: SUB010

UNITS: UG/L

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05/16/89

PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	DIL
BIS(2-CHLOROETHOXY) METHANE	NA	12/05/88	ND		0.50	1.000
BIS(2-CHLOROISOPROPYL) ETHER	NA	12/05/88	ND		0.80	1.000
BROMODICHLOROMETHANE	NA	12/05/88	ND		0.10	1.000
BROMOFORM	NA	12/05/88	ND		1.00	1.000
BROMOMETHANE	NA	12/05/88	ND		1.20	1.000
CARBON TETRACHLORIDE	NA	12/05/88	ND		0.60	1.000
CHLOROBENZENE	NA	12/05/88	ND		1.25	1.000
CHLOROETHANE	NA	12/05/88	ND		0.52	1.000
CHLOROFORM	NA	12/05/88	ND		0.25	1.000
2-CHLOROETHYL VINYL ETHER	NA	12/05/88	ND		0.13	1.000
CHLOROMETHANE	NA	12/05/88	2.00		0.08	1.000
DIBROMOCHLOROMETHANE	NA	12/05/88	ND		0.45	1.000
1,2-DICHLOROBENZENE	NA	12/05/88	ND		0.75	1.000
1,3-DICHLOROBENZENE	NA	12/05/88	ND		1.60	1.000
1,4-DICHLOROBENZENE	NA	12/05/88	ND		1.20	1.000
1,1-DICHLOROETHANE	NA	12/05/88	ND		0.70	1.000
1,2-DICHLOROETHANE	NA	12/05/88	ND		0.15	1.000
1,1-DICHLOROETHENE	NA	12/05/88	ND		0.65	1.000
TRANS-1,2-DICHLOROETHENE	NA	12/05/88	ND		0.50	1.000
DICHLOROMETHANE	NA	12/05/88	ND		1.25	1.000
1,2-DICHLOROPROPANE	NA	12/05/88	ND		0.04	1.000
TRANS-1,3-DICHLOROPROPENE	NA	12/05/88	ND		0.20	1.000
1,1,2,2-TETRACHLOROETHANE	NA	12/05/88	ND		0.15	1.000
TETRACHLOROETHENE	NA	12/05/88	ND		0.15	1.000
1,1,1-TRICHLOROETHANE	NA	12/05/88	0.19		0.15	1.000
1,1,2-TRICHLOROETHANE	NA	12/05/88	ND		0.10	1.000
TRICHLOROETHENE	NA	12/05/88	ND		0.60	1.000
TRICHLOROFLUOROETHANE	NA	12/05/88	ND		0.50	1.000
VINYL CHLORIDE	NA	12/05/88	ND		0.18	1.000

ENGINEERING SCIENCE 135-07

C:\R-0706.D89

CUSTOMER ID: SC-MW1-GW1-ES

metaTRACE LAB ID: AA22517

SAMPLE DATE: 11/30/88

MATRIX: WATER

CATEGORY: AROMATIC VOC

METHOD: SUB020

UNITS: UG/L

Page No. 1
05/16/89

PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	OIL
BENZENE	NA	12/05/88	0.28	-	0.20	1.000
CHLOROBENZENE	NA	12/05/88	ND		0.20	1.000
1,2-DICHLOROBENZENE	NA	12/05/88	ND		0.40	1.000
1,3-DICHLOROBENZENE	NA	12/05/88	ND		0.40	1.000
1,4-DICHLOROBENZENE	NA	12/05/88	ND		0.30	1.000
ETHYL BENZENE	NA	12/05/88	0.23	-	0.20	1.000
TOLUENE	NA	12/05/88	0.35	-	0.20	1.000
O-XYLENE	NA	12/05/88	ND		0.20	1.000
M-XYLENE	NA	12/05/88	ND		0.20	1.000
P-XYLENE	NA	12/05/88	ND		0.20	1.000

ENGINEERING SCIENCE 135-07

C:R-0706.DDF

CUSTOMER ID: BC-MW1-GW1-ES

metaTRACE LAB ID: AA22517

SAMPLE DATE: 11/30/88

MATRIX: WATER

CATEGORY: PP_METALS

METHOD: EPA 6010

UNITS: UG/L

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05/16/89

PARAMETER	DATE_EXT	DATE_AMA	CONC.	ERR	DL	DIL
Antimony	NA	12/27/88	ND		60.00	1.000
Arsenic	NA	12/21/88	ND		10.00	1.000
Beryllium	NA	12/27/88	ND		5.00	1.000
Cadmium	NA	12/27/88	ND		5.00	1.000
Chromium	NA	12/27/88	ND		10.00	1.000
Copper	NA	12/27/88	ND		25.00	1.000
Lead	NA	12/21/88	ND		5.00	1.000
Mercury	NA	12/15/88	0.20		0.20	1.000
Nickel	NA	12/27/88	ND		40.00	1.000
Selenium	NA	12/27/88	ND		5.00	1.000
Silver	NA	12/27/88	ND		10.00	1.000
Thallium	NA	12/21/88	ND		10.00	1.000
Zinc	NA	12/27/88	27.00		20.00	1.000

ENGINEERING SCIENCE 135-07

C:R-0706.08F

CUSTOMER ID: BC-MW2-GW1-ES

metaTRACE LAB ID: AA22518

SAMPLE DATE: 11/30/88

MATRIX: WATER

CATEGORY: SEMI-VOLATILES

METHOD: EPA 8270

UNITS: UG/L

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05/16/89

PARAMETER	DATE_EXT	DATE_AMA	CONC.	ERR	DL	OIL
Phenol	12/07/88	12/12/88		ND	10.00	1.000
bis(2-Chloroethyl) ether	12/07/88	12/12/88		ND	10.00	1.000
2-Chlorophenol	12/07/88	12/12/88		ND	10.00	1.000
1,3-Dichlorobenzene	12/07/88	12/12/88		ND	10.00	1.000
1,4-Dichlorobenzene	12/07/88	12/12/88		ND	10.00	1.000
Benzyl Alcohol	12/07/88	12/12/88		ND	10.00	1.000
1,2-Dichlorobenzene	12/07/88	12/12/88		ND	10.00	1.000
2-Methylphenol	12/07/88	12/12/88		ND	10.00	1.000
bis(2-Chloroisopropyl) ether	12/07/88	12/12/88		ND	10.00	1.000
4-Methylphenol	12/07/88	12/12/88		ND	10.00	1.000
N-Nitroso-Dipropylamine	12/07/88	12/12/88		ND	10.00	1.000
Hexachloroethane	12/07/88	12/12/88		ND	10.00	1.000
Nitrobenzene	12/07/88	12/12/88		ND	10.00	1.000
Isophorone	12/07/88	12/12/88		ND	10.00	1.000
2-Nitrophenol	12/07/88	12/12/88		ND	50.00	1.000
2,4-Dimethylphenol	12/07/88	12/12/88		ND	10.00	1.000
Benzoic Acid	12/07/88	12/12/88		ND	50.00	1.000
bis(2-Chloroethoxy) methane	12/07/88	12/12/88		ND	10.00	1.000
2,4-Dichlorophenol	12/07/88	12/12/88		ND	10.00	1.000
1,2,4-Trichlorobenzene	12/07/88	12/12/88		ND	10.00	1.000
Naphthalene	12/07/88	12/12/88		ND	10.00	1.000
4-Chloroaniline	12/07/88	12/12/88		ND	10.00	1.000
Hexachlorobutadiene	12/07/88	12/12/88		ND	10.00	1.000
4-Chloro-3-methylphenol	12/07/88	12/12/88		ND	10.00	1.000
2-Methylnaphthalene	12/07/88	12/12/88		ND	10.00	1.000
Hexachlorocyclopentadiene	12/07/88	12/12/88		ND	10.00	1.000
2,4,6-Trichlorophenol	12/07/88	12/12/88		ND	10.00	1.000
2,4,5-Trichlorophenol	12/07/88	12/12/88		ND	50.00	1.000
2-Chloronaphthalene	12/07/88	12/12/88		ND	10.00	1.000
2-Nitroaniline	12/07/88	12/12/88		ND	50.00	1.000
Dimethyl Phthalate	12/07/88	12/12/88		ND	10.00	1.000
Acenaphthylene	12/07/88	12/12/88		ND	10.00	1.000
2,6-Dinitrochlorobenzene	12/07/88	12/12/88		ND	10.00	1.000
3-Nitroaniline	12/07/88	12/12/88		ND	50.00	1.000
Acenaphthene	12/07/88	12/12/88		ND	10.00	1.000
2,6-Dinitrophenol	12/07/88	12/12/88		ND	50.00	1.000
4-Nitrophenol	12/07/88	12/12/88		ND	50.00	1.000
Dibenzofuran	12/07/88	12/12/88		ND	10.00	1.000
2,6-Dinitrochlorobenzene	12/07/88	12/12/88		ND	10.00	1.000
Diethylphthalate	12/07/88	12/12/88		ND	10.00	1.000
4-Chlorophenyl Phenyl Ether	12/07/88	12/12/88		ND	10.00	1.000
Fluorene	12/07/88	12/12/88		ND	10.00	1.000
4-Nitroaniline	12/07/88	12/12/88		ND	50.00	1.000

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03/16/89

PARAMETER	DATE_EXT	DATE_AMA	CONC.	ERR	DL	DIL
4,6-dinitro-2-methylphenol	12/07/88	12/12/88		ND	50.00	1.000
N-nitrosodiphenylamine	12/07/88	12/12/88		ND	10.00	1.000
4-Bromophenyl Phenyl ether	12/07/88	12/12/88		ND	10.00	1.000
Hexachlorobenzene	12/07/88	12/12/88		ND	10.00	1.000
Pentachlorophenol	12/07/88	12/12/88		ND	50.00	1.000
Phenanthrene	12/07/88	12/12/88		ND	10.00	1.000
Anthracene	12/07/88	12/12/88		ND	10.00	1.000
Di-n-butylphthalate	12/07/88	12/12/88		ND	10.00	1.000
Fluoranthene	12/07/88	12/12/88		ND	10.00	1.000
Pyrene	12/07/88	12/12/88		ND	10.00	1.000
Butyl Benzyl Phthalate	12/07/88	12/12/88		ND	10.00	1.000
3,3'-Dichlorobenzidine	12/07/88	12/12/88		ND	20.00	1.000
Benzo(a)anthracene	12/07/88	12/12/88		ND	10.00	1.000
Chrysene	12/07/88	12/12/88		ND	10.00	1.000
bis(2-ethylhexyl)phthalate	12/07/88	12/12/88		ND	10.00	1.000
Di-n-octyl Phthalate	12/07/88	12/12/88		ND	10.00	1.000
Benzo(b)fluoranthene	12/07/88	12/12/88		ND	10.00	1.000
Benzo(k)fluoranthene	12/07/88	12/12/88		ND	10.00	1.000
Benzo(a)pyrene	12/07/88	12/12/88		ND	10.00	1.000

ENGINEERING SCIENCE 135-07

C:R-0706.00F

CUSTOMER ID: BC-M42-GW1-ES

netaTRACE LAB ID: AA22518

SAMPLE DATE: 11/30/88

MATRIX: WATER

CATEGORY: HALOGENATED VOC

METHOD: SUB010

UNITS: UG/L

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05/16/89

PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	DIL
BIS(2-CHLOROETHOXY) METHANE	NA	12/05/88	ND		0.50	1.000
BIS(2-CHLOROISOPROPYL) ETHER	NA	12/05/88	ND		0.80	1.000
BROMODICHLOROMETHANE	NA	12/05/88	0.19		0.10	1.000
BROMOFORM	NA	12/05/88	ND		1.00	1.000
BROMOMETHANE	NA	12/05/88	ND		1.20	1.000
CARBON TETRACHLORIDE	NA	12/05/88	ND		0.60	1.000
CHLOROBENZENE	NA	12/05/88	ND		1.25	1.000
CHLOROETHANE	NA	12/05/88	ND		0.52	1.000
CHLOROFORM	NA	12/05/88	0.41		0.25	1.000
2-CHLOROETHYL VINYL ETHER	NA	12/05/88	ND		0.13	1.000
CHLOROMETHANE	NA	12/05/88	0.43		0.08	1.000
DIBROMOCHLOROMETHANE	NA	12/05/88	ND		0.45	1.000
1,2-DICHLOROBENZENE	NA	12/05/88	ND		0.75	1.000
1,3-DICHLOROBENZENE	NA	12/05/88	ND		1.40	1.000
1,4-DICHLOROBENZENE	NA	12/05/88	ND		1.20	1.000
1,1-DICHLOROETHANE	NA	12/05/88	ND		0.70	1.000
1,2-DICHLOROETHANE	NA	12/05/88	ND		0.15	1.000
1,1-DICHLOROETHENE	NA	12/05/88	ND		0.65	1.000
TRANS-1,2-DICHLOROETHENE	NA	12/05/88	ND		0.90	1.000
DICHLOROMETHANE	NA	12/05/88	ND		1.25	1.000
1,2-DICHLOROPROPANE	NA	12/05/88	ND		0.04	1.000
TRANS-1,3-DICHLOROPROPENE	NA	12/05/88	ND		0.20	1.000
1,1,2,2-TETRACHLOROETHANE	NA	12/05/88	ND		0.15	1.000
TETRACHLOROETHENE	NA	12/05/88	ND		0.15	1.000
1,1,1-TRICHLOROETHANE	NA	12/05/88	0.22		0.15	1.000
1,1,2-TRICHLOROETHANE	NA	12/05/88	ND		0.10	1.000
TRICHLOROETHENE	NA	12/05/88	ND		0.40	1.000
TRICHLOROFLUOROMETHANE	NA	12/05/88	ND		0.90	1.000
VINYL CHLORIDE	NA	12/05/88	ND		0.10	1.000

ENGINEERING SCIENCE 135-07

C:\R-0706.DBF

CUSTOMER ID: SC-M2-GM1-ES

metaTRACE LAB ID: AA22518

SAMPLE DATE: 11/30/88

MATRIX: WATER

CATEGORY: AROMATIC VOC

METHOD: SM8020

UNITS: UG/L

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05/16/89

PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	DIL
BENZENE	NA	12/05/88	0.26	-	0.20	1.000
CHLOROBENZENE	NA	12/05/88	ND		0.20	1.000
1,2-DICHLOROBENZENE	NA	12/05/88	ND		0.40	1.000
1,3-DICHLOROBENZENE	NA	12/05/88	ND		0.40	1.000
1,4-DICHLOROBENZENE	NA	12/05/88	ND		0.30	1.000
ETHYL BENZENE	NA	12/05/88	ND		0.20	1.000
TOLUENE	NA	12/05/88	0.38	-	0.20	1.000
O-XYLENE	NA	12/05/88	ND		0.20	1.000
M-XYLENE	NA	12/05/88	ND		0.20	1.000
P-XYLENE	NA	12/05/88	ND		0.20	1.000

ENGINEERING SCIENCE 135-07

C:\R-0706.D07

CUSTOMER ID: BC-MW2-QW1-ES

metaTRACE LAB ID: AA22518

SAMPLE DATE: 11/30/88

MATRIX: WATER

CATEGORY: PP_METALS

METHOD: EPA 6010

UNITS: UG/L

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05/16/89

PARAMETER	DATE_EXT	DATE_AMA	CONC.	ERR	DL	D/L
Antimony	NA	12/27/88	ND		60.00	1.000
Arsenic	NA	12/21/88	ND		10.00	1.000
Beryllium	NA	12/27/88	ND		5.00	1.000
Cadmium	NA	12/27/88	ND		5.00	1.000
Chromium	NA	12/27/88	ND		10.00	1.000
Copper	NA	12/27/88	ND		25.00	1.000
Lead	NA	12/21/88	5.63		5.00	1.000
Mercury	NA	12/15/88	0.39		0.20	1.000
Nickel	NA	12/27/88	ND		40.00	1.000
Selenium	NA	12/22/88	ND		5.00	1.000
Silver	NA	12/27/88	ND		10.00	1.000
Thallium	NA	12/21/88	ND		10.00	1.000
Zinc	NA	12/27/88	ND		20.00	1.000

ENGINEERING SCIENCE 135-07

C:\R-0706A.DDF

CUSTOMER ID: BC-MIS-QM1-ES

MetaTRACE LAB ID: AA22519

SAMPLE DATE: 11/30/98

MATRIX: WATER

CATEGORY: SEMI-VOLATILES

METHOD: EPA 8270

UNITS: UG/L

Page No. 1

05/16/99

PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	DIL
Phenol	12/07/98	12/12/98			10.00	1.000
bis(2-Chloroethyl) ether	12/07/98	12/12/98			10.00	1.000
2-Chlorophenol	12/07/98	12/12/98			10.00	1.000
1,3-Dichlorobenzene	12/07/98	12/12/98			10.00	1.000
1,4-Dichlorobenzene	12/07/98	12/12/98			10.00	1.000
Benzyl Alcohol	12/07/98	12/12/98			10.00	1.000
1,2-Dichlorobenzene	12/07/98	12/12/98			10.00	1.000
2-Methylphenol	12/07/98	12/12/98			10.00	1.000
bis(2-Chloroisopropyl) ether	12/07/98	12/12/98			10.00	1.000
4-Methylphenol	12/07/98	12/12/98			10.00	1.000
N-Nitroso-Diisopropylamine	12/07/98	12/12/98			10.00	1.000
Hexachloroethane	12/07/98	12/12/98			10.00	1.000
Nitrobenzene	12/07/98	12/12/98			10.00	1.000
Isophorone	12/07/98	12/12/98			10.00	1.000
2-Nitrophenol	12/07/98	12/12/98			50.00	1.000
2,4-Dimethylphenol	12/07/98	12/12/98			10.00	1.000
Benzoic Acid	12/07/98	12/12/98			50.00	1.000
bis(2-Chloroethoxy) methane	12/07/98	12/12/98			10.00	1.000
2,4-Dichlorophenol	12/07/98	12/12/98			10.00	1.000
1,2,4-Trichlorobenzene	12/07/98	12/12/98			10.00	1.000
Naphthalene	12/07/98	12/12/98			10.00	1.000
4-Chloroaniline	12/07/98	12/12/98			10.00	1.000
Hexachlorobutadiene	12/07/98	12/12/98			10.00	1.000
4-Chloro-3-methylphenol	12/07/98	12/12/98			10.00	1.000
2-Methylnaphthalene	12/07/98	12/12/98			10.00	1.000
Hexachlorocyclopentadiene	12/07/98	12/12/98			10.00	1.000
2,4,6-Trichlorophenol	12/07/98	12/12/98			10.00	1.000
2,4,5-Trichlorophenol	12/07/98	12/12/98			50.00	1.000
2-Chloronaphthalene	12/07/98	12/12/98			10.00	1.000
2-Nitroaniline	12/07/98	12/12/98			50.00	1.000
Bisethyl Phthalate	12/07/98	12/12/98			10.00	1.000
Acenaphthylene	12/07/98	12/12/98			10.00	1.000
2,6-Dinitrotoluene	12/07/98	12/12/98			10.00	1.000
3-Nitroaniline	12/07/98	12/12/98			50.00	1.000
Acenaphthene	12/07/98	12/12/98			10.00	1.000
2,4-Dinitrophenol	12/07/98	12/12/98			50.00	1.000
4-Nitrophenol	12/07/98	12/12/98			50.00	1.000
Dibenzofuran	12/07/98	12/12/98			10.00	1.000
2,6-Dinitrotoluene	12/07/98	12/12/98			10.00	1.000
Dioctyl phthalate	12/07/98	12/12/98			10.00	1.000
4-Chlorophenyl Phenyl Ether	12/07/98	12/12/98			10.00	1.000
Fluorene	12/07/98	12/12/98			10.00	1.000
4-Nitroaniline	12/07/98	12/12/98			50.00	1.000

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05/14/89

PARAMETER	DATE_EXT	DATE_ABA	CONC.	ERR	DL	DIL
4,6-Dinitro-2-ethylphenol	12/07/88	12/12/88	ND		50.00	1.000
4-nitro-2-chlorophenylamine	12/07/88	12/12/88	ND		10.00	1.000
4-Bromophenyl Phenyl ether	12/07/88	12/12/88	ND		10.00	1.000
Hexachlorobenzene	12/07/88	12/12/88	ND		10.00	1.000
Pentachlorophenol	12/07/88	12/12/88	ND		50.00	1.000
Phenanthrene	12/07/88	12/12/88	ND		10.00	1.000
Anthracene	12/07/88	12/12/88	ND		10.00	1.000
Di-n-butylphthalate	12/07/88	12/12/88	ND		10.00	1.000
Fluoranthene	12/07/88	12/12/88	ND		10.00	1.000
Pyrene	12/07/88	12/12/88	ND		10.00	1.000
Butyl Benzyl Phthalate	12/07/88	12/12/88	50.00	JN	10.00	1.000
3,3'-Dichlorobenzidine	12/07/88	12/12/88	ND		20.00	1.000
Benzo(a)anthracene	12/07/88	12/12/88	ND		10.00	1.000
Chrysene	12/07/88	12/12/88	ND		10.00	1.000
bis(2-ethylhexyl)phthalate	12/07/88	12/12/88	1000.00	JN	200.00	20.000
Di-n-octyl Phthalate	12/07/88	12/12/88	300.00	R	200.00	20.000
Benzo(b)fluoranthene	12/07/88	12/12/88	ND		10.00	1.000
Benzo(k)fluoranthene	12/07/88	12/12/88	ND		10.00	1.000
Benzo(a)pyrene	12/07/88	12/12/88	ND		10.00	1.000

ENGINEERING SCIENCE 135-07

C:R-0706A.009

CUSTOMER ID: BC-MAS-041-ES

metaTRACE LAB ID: AA22519

SAMPLE DATE: 11/30/08

MATRIX: WATER

CATEGORY: HALOGENATED VOC

METHOD: SUB010

UNITS: US/L

Page No. 1

05/16/09

PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	DIL
BIS(2-CHLOROETHOXY) METHANE	NA	12/05/08	ND		0.50	1.000
BIS(2-CHLOROISOPROPYL) ETHER	NA	12/05/08	ND		0.80	1.000
BROMODICHLOROMETHANE	NA	12/05/08	ND		0.10	1.000
BROMOFORM	NA	12/05/08	ND		1.00	1.000
BROMOMETHANE	NA	12/05/08	ND		1.20	1.000
CARBON TETRACHLORIDE	NA	12/05/08	ND		0.60	1.000
CHLOROBENZENE	NA	12/05/08	ND		1.25	1.000
CHLOROMETHANE	NA	12/05/08	ND		0.52	1.000
CHLOROFORM	NA	12/05/08	0.10		0.25	1.000
2-CHLOROETHYL VINYL ETHER	NA	12/05/08	ND		0.13	1.000
CHLOROMETHANE	NA	12/05/08	1.01		0.08	1.000
DIBROMOCHLOROMETHANE	NA	12/05/08	ND		0.45	1.000
1,2-DICHLOROBENZENE	NA	12/05/08	ND		0.75	1.000
1,3-DICHLOROBENZENE	NA	12/05/08	ND		1.60	1.000
1,4-DICHLOROBENZENE	NA	12/05/08	ND		1.20	1.000
1,1-DICHLOROMETHANE	NA	12/05/08	ND		0.70	1.000
1,2-DICHLOROMETHANE	NA	12/05/08	ND		0.15	1.000
1,1-DICHLOROTHENE	NA	12/05/08	ND		0.65	1.000
TRANS-1,2-DICHLOROTHENE	NA	12/05/08	ND		0.50	1.000
DICHLOROMETHANE	NA	12/05/08	ND		1.25	1.000
1,2-DICHLOROPROPANE	NA	12/05/08	ND		0.84	1.000
TRANS-1,3-DICHLOROPROPENE	NA	12/05/08	ND		0.20	1.000
1,1,2,2-TETRACHLOROETHANE	NA	12/05/08	ND		0.15	1.000
TETRACHLOROETHENE	NA	12/05/08	ND		0.15	1.000
1,1,1-TRICHLOROMETHANE	NA	12/05/08	0.22		0.15	1.000
1,1,2-TRICHLOROMETHANE	NA	12/05/08	ND		0.10	1.000
TRICHLOROMETHANE	NA	12/05/08	2.00		0.60	1.000
TRICHLOROFLUOROMETHANE	NA	12/05/08	ND		0.50	1.000
VINYL CHLORIDE	NA	12/05/08	ND		0.10	1.000

ENGINEERING SCIENCE 135-07

C:\R-0706A.DDF

CUSTOMER ID: SC-HLS-GW1-ES

MYSTRACE LAB ID: AA22519

SAMPLE DATE: 11/30/05

MATRIX: WATER

CATEGORY: AROMATIC VOA

METHOD: SAG020

UNITS: UG/L

Page No. 1

05/16/09

PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	DIL
BENZENE	NA	12/05/05	17.85	-	0.20	1.000
CHLOROBENZENE	NA	12/05/05	ND		0.20	1.000
1,2-DICHLOROBENZENE	NA	12/05/05	ND		0.40	1.000
1,3-DICHLOROBENZENE	NA	12/05/05	ND		0.40	1.000
1,4-DICHLOROBENZENE	NA	12/05/05	ND		0.30	1.000
ETHYL BENZENE	NA	12/05/05	ND		0.20	1.000
TOLUENE	NA	12/05/05	24.67	-	0.20	1.000
O-XYLENE	NA	12/05/05	ND		0.20	1.000
M-XYLENE	NA	12/05/05	ND		0.20	1.000
P-XYLENE	NA	12/05/05	ND		0.20	1.000

ENGINEERING SCIENCE 135-67

C:\B-0706A.B09

CUSTOMER ID: SC-HLS-001-03

metaTRACE LAB ID: AA2519

SAMPLE DATE: 11/30/06

MATRIX: WATER

CATEGORY: PP_METALS

METHOD: EPA 6010

UNITS: UG/L

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05/16/09

PARAMETER	DATE_EXT	DATE_ABN	CONC.	DBP	DL	DIL
Arsenic	NA	12/27/06	ND		60.00	1000
Arsenic	NA	12/27/06	ND		10.00	1000
Beryllium	NA	12/27/06	ND		5.00	1000
Cadmium	NA	12/27/06	ND		5.00	1000
Chromium	NA	12/27/06	ND		10.00	1000
Copper	NA	12/27/06	ND		25.00	1000
Lead	NA	12/27/06	9.00		5.00	1000
Mercury	NA	12/13/06	0.00		0.20	1000
Stibic	NA	12/27/06	ND		40.00	1000
Selenium	NA	12/27/06	ND		5.00	1000
Silver	NA	12/27/06	ND		10.00	1000
Thallium	NA	12/27/06	ND		10.00	1000
Zinc	NA	12/27/06	ND		20.00	1000

C:R-07048-000

SAMPLE DATE: 11/30/88

UNITS: UG/L

PARAMETER	DATE_EXT	DATE_ARA	CONC.	ERR	DL	DIL
Phenol	12/07/00	12/13/00	00		10.00	1.000
bio(2-Chloroethoxy) ether	12/07/00	12/13/00	00		10.00	1.000
2-Chlorophenol	12/07/00	12/13/00	00		10.00	1.000
1,3-Dichlorobenzene	12/07/00	12/13/00	00		10.00	1.000
1,4-Dichlorobenzene	12/07/00	12/13/00	00		10.00	1.000
Benzyl Alcohol	12/07/00	12/13/00	00		10.00	1.000
1,2-Dichlorobenzene	12/07/00	12/13/00	00		10.00	1.000
2-Ethylphenol	12/07/00	12/13/00	00		10.00	1.000
bio(2-Chloroisopropyl) ether	12/07/00	12/13/00	00		10.00	1.000
4-Ethylphenol	12/07/00	12/13/00	00		10.00	1.000
4-Bromo-2-chlorophenol	12/07/00	12/13/00	00		10.00	1.000
4-Chlorophenol	12/07/00	12/13/00	00		10.00	1.000
Isophenol	12/07/00	12/13/00	00		10.00	1.000
2-Nitrophenol	12/07/00	12/13/00	00		50.00	1.000
2,4-Dichlorophenol	12/07/00	12/13/00	00		10.00	1.000
Benzoic Acid	12/07/00	12/13/00	00		50.00	1.000
bio(2-Chloroethoxy) acetate	12/07/00	12/13/00	00		10.00	1.000
2,4-Dichlorophenol	12/07/00	12/13/00	00		10.00	1.000
2,4-Trichlorobenzene	12/07/00	12/13/00	00		10.00	1.000
Isophthalate	12/07/00	12/13/00	00		10.00	1.000
4-Chlorophenol	12/07/00	12/13/00	00		10.00	1.000
4-chloro-2-methylphenol	12/07/00	12/13/00	00		10.00	1.000
2-Ethylphenol	12/07/00	12/13/00	00		10.00	1.000
4-chloro-3-methylphenol	12/07/00	12/13/00	00		10.00	1.000
2,4,6-Trichlorophenol	12/07/00	12/13/00	00		10.00	1.000
2,4,5-Trichlorophenol	12/07/00	12/13/00	00		50.00	1.000
2-Chlorophenol	12/07/00	12/13/00	00		10.00	1.000
2-Nitrophenol	12/07/00	12/13/00	00		50.00	1.000
2-Ethylphenol	12/07/00	12/13/00	00		10.00	1.000
4-chloro-3-methylphenol	12/07/00	12/13/00	00		10.00	1.000
2,4,6-Trichlorophenol	12/07/00	12/13/00	00		10.00	1.000
2,4,5-Trichlorophenol	12/07/00	12/13/00	00		50.00	1.000
2-Chlorophenol	12/07/00	12/13/00	00		10.00	1.000
2-Nitrophenol	12/07/00	12/13/00	00		50.00	1.000
2-Ethylphenol	12/07/00	12/13/00	00		10.00	1.000
4-chloro-3-methylphenol	12/07/00	12/13/00	00		10.00	1.000
2,4,6-Trichlorophenol	12/07/00	12/13/00	00		10.00	1.000
2,4,5-Trichlorophenol	12/07/00	12/13/00	00		50.00	1.000
2-Chlorophenol	12/07/00	12/13/00	00		10.00	1.000
2-Nitrophenol	12/07/00	12/13/00	00		50.00	1.000
2-Ethylphenol	12/07/00	12/13/00	00		10.00	1.000
4-chloro-3-methylphenol	12/07/00	12/13/00	00		10.00	1.000
2,4,6-Trichlorophenol	12/07/00	12/13/00	00		10.00	1.000
2,4,5-Trichlorophenol	12/07/00	12/13/00	00		50.00	1.000
2-Chlorophenol	12/07/00	12/13/00	00		10.00	1.000
2-Nitrophenol	12/07/00	12/13/00	00		50.00	1.000
2-Ethylphenol	12/07/00	12/13/00	00		10.00	1.000
4-chloro-3-methylphenol	12/07/00	12/13/00	00		10.00	1.000
2,4,6-Trichlorophenol	12/07/00	12/13/00	00		10.00	1.000
2,4,5-Trichlorophenol	12/07/00	12/13/00	00		50.00	1.000
2-Chlorophenol	12/07/00	12/13/00	00		10.00	1.000
2-Nitrophenol	12/07/00	12/13/00	00		50.00	1.000
2-Ethylphenol	12/07/00	12/13/00	00		10.00	1.000
4-chloro-3-methylphenol	12/07/00	12/13/00	00		10.0	

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PARAMETER	DATE_EXT	DATE_ASA	CONC.	ERR	DL	DIL
4,6-Dinitro-2-ethylphenol	12/07/88	12/13/88	00		50.00	000
4-nitroediphenylamine	12/07/88	12/13/88	00		10.00	000
4-Bromophenyl Phenyl ether	12/07/88	12/13/88	00		10.00	000
Hexachlorobenzene	12/07/88	12/13/88	00		10.00	000
Pentachlorophenol	12/07/88	12/13/88	00		50.00	000
Phenanthrene	12/07/88	12/13/88	00		10.00	000
Anthracene	12/07/88	12/13/88	00		10.00	000
Di-n-butylphthalate	12/07/88	12/13/88	00		10.00	000
Fluoranthene	12/07/88	12/13/88	00		10.00	000
Pyrene	12/07/88	12/13/88	00		10.00	000
Butyl Benzyl Phthalate	12/07/88	12/13/88	00		10.00	000
3,3'-Dichlorobenzidine	12/07/88	12/13/88	00		20.00	000
Benz(a)anthracene	12/07/88	12/13/88	00		10.00	000
Chrysene	12/07/88	12/13/88	00		10.00	000
Bis(2-ethylhexyl)phthalate	12/07/88	12/13/88	00		10.00	000
Di-n-octyl Phthalate	12/07/88	12/13/88	00		10.00	000
Benz(b)fluoranthene	12/07/88	12/13/88	00		10.00	000
Benz(k)fluoranthene	12/07/88	12/13/88	00		10.00	000
Benz(a)pyrene	12/07/88	12/13/88	00		10.00	000

ENGINEERING SCIENCE 139-07

C:\R-07068.08F

CUSTOMER ID: BC-MJ5-QM1-ES

metaTRACE LAB ID: AA22521

SAMPLE DATE: 11/30/88

MATRIX: WATER

CATEGORY: HALOGENATED VOA

METHOD: S48010

UNITS: UG/L

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PARAMETER	DATE_EXT	DATE_AMA	CONC.	ERR	DL	DIL
BIS(2-CHLOROETHOXY) METHANE	NA	12/05/88	ND		0.50	1.000
BIS(2-CHLOROISOPROPYL) ETHER	NA	12/05/88	ND		0.80	1.000
BROMODICHLOROMETHANE	NA	12/05/88	ND		0.10	1.000
BROMOFORM	NA	12/05/88	ND		1.00	1.000
BROMOMETHANE	NA	12/05/88	ND		1.20	1.000
CARBON TETRACHLORIDE	NA	12/05/88	ND		0.60	1.000
CHLOROBENZENE	NA	12/05/88	ND		1.25	1.000
CHLOROETHANE	NA	12/05/88	0.76	+	0.52	1.000
CHLOROFORM	NA	12/05/88	ND		0.25	1.000
2-CHLOROETHYL VINYL ETHER	NA	12/05/88	ND		0.13	1.000
CHLOROMETHANE	NA	12/05/88	ND		0.08	1.000
DIBROMODICHLOROMETHANE	NA	12/05/88	ND		0.45	1.000
1,2-DICHLOROBENZENE	NA	12/05/88	ND		0.75	1.000
1,3-DICHLOROBENZENE	NA	12/05/88	ND		1.60	1.000
1,4-DICHLOROBENZENE	NA	12/05/88	ND		1.20	1.000
1,1-DICHLOROETHANE	NA	12/05/88	0.36	+	0.70	1.000
1,2-DICHLOROETHANE	NA	12/05/88	0.44	+	0.15	1.000
1,1-DICHLOROETHENE	NA	12/05/88	ND		0.65	1.000
TRANS-1,2-DICHLOROETHENE	NA	12/05/88	ND		0.50	1.000
DICHLOROMETHANE	NA	12/05/88	ND		1.25	1.000
1,2-DICHLOROPROPANE	NA	12/05/88	ND		0.04	1.000
TRANS-1,3-DICHLOROPROPENE	NA	12/05/88	ND		0.20	1.000
1,1,2,2-TETRACHLOROETHANE	NA	12/05/88	ND		0.15	1.000
TETRACHLOROETHENE	NA	12/05/88	ND		0.15	1.000
1,1,1-TRICHLOROETHANE	NA	12/05/88	1.17	-	0.15	1.000
1,1,2-TRICHLOROETHANE	NA	12/05/88	5.85	+	0.10	1.000
TRICHLOROETHENE	NA	12/05/88	ND		0.60	1.000
TRICHLOROFLUOROETHANE	NA	12/05/88	ND		0.50	1.000
VINYL CHLORIDE	NA	12/05/88	ND		0.18	1.000

ENGINEERING SCIENCE 135-07

C:\R-07068.DBF

CUSTOMER ID: BC-M25-GW1-E8

metatrace LAB ID: AA22521

SAMPLE DATE: 11/30/88

MATRIX: WATER

CATEGORY: AROMATIC VOA

METHOD: SUB020

UNITS: UG/L

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PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	DIL
BENZENE	NA	12/05/88	0.22	-	0.20	1.000
CHLOROBENZENE	NA	12/05/88	ND		0.20	1.000
1,2-DICHLOROBENZENE	NA	12/05/88	ND		0.40	1.000
1,3-DICHLOROBENZENE	NA	12/05/88	ND		0.40	1.000
1,4-DICHLOROBENZENE	NA	12/05/88	ND		0.30	1.000
ETHYL BENZENE	NA	12/05/88	ND		0.20	1.000
TOLUENE	NA	12/05/88	0.27	-	0.20	1.000
O-XYLENE	NA	12/05/88	ND		0.20	1.000
M-XYLENE	NA	12/05/88	ND		0.20	1.000
P-XYLENE	NA	12/05/88	ND		0.20	1.000

ENGINEERING SCIENCE 135-07

C:\R-07048.DBF

CUSTOMER ID: BC-MJS-GU1-ES

metaTRACE LAB ID: AA22521

SAMPLE DATE: 11/30/88

MATRIX: WATER

CATEGORY: PP_METALS

METHOD: EPA 6010

UNITS: UG/L

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05/16/89

PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	DIL
Antimony	NA	12/27/88	ND		60.00	1.000
Arsenic	NA	12/21/88	ND		10.00	1.000
Beryllium	NA	12/27/88	ND		5.00	1.000
Cadmium	NA	12/27/88	ND		5.00	1.000
Chromium	NA	12/27/88	ND		10.00	1.000
Copper	NA	12/27/88	ND		25.00	1.000
Lead	NA	12/21/88	6.00		5.00	1.000
Mercury	NA	12/15/88	0.30		0.20	1.000
Nickel	NA	12/27/88	ND		40.00	1.000
Selenium	NA	12/22/88	ND		5.00	1.000
Silver	NA	12/27/88	ND		10.00	1.000
Thallium	NA	12/21/88	ND		10.00	1.000
Zinc	NA	12/27/88	ND		20.00	1.000

ENGINEERING SCIENCE 135-07

C:R-0707A.D07

CUSTOMER ID: BC-MW6-GW1-ES

metaTRACE LAB ID: AA22765

SAMPLE DATE: 12/01/88

MATRIX: WATER

CATEGORY: SEMI-VOLATILES

METHOD: EPA 8270

UNITS: UG/L

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05/16/89

PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	DIL
Phenol	12/07/88	12/14/88	ND		10.00	1.000
bis(2-Chloroethyl) ether	12/07/88	12/14/88	ND		10.00	1.000
2-Chlorophenol	12/07/88	12/14/88	ND		10.00	1.000
1,3-Dichlorobenzene	12/07/88	12/14/88	ND		10.00	1.000
1,4-Dichlorobenzene	12/07/88	12/14/88	ND		10.00	1.000
Benzyl Alcohol	12/07/88	12/14/88	ND		10.00	1.000
1,2-Dichlorobenzene	12/07/88	12/14/88	ND		10.00	1.000
2-Methylphenol	12/07/88	12/14/88	ND		10.00	1.000
bis(2-Chloroisopropyl) ether	12/07/88	12/14/88	ND		10.00	1.000
4-Methylphenol	12/07/88	12/14/88	ND		10.00	1.000
N-Nitroso-Dipropylamine	12/07/88	12/14/88	ND		10.00	1.000
Hexachloroethane	12/07/88	12/14/88	ND		10.00	1.000
Nitrobenzene	12/07/88	12/14/88	ND		10.00	1.000
Isophorone	12/07/88	12/14/88	ND		10.00	1.000
2-Nitrophenol	12/07/88	12/14/88	ND		50.00	1.000
2,4-Dimethylphenol	12/07/88	12/14/88	ND		10.00	1.000
Benzoic Acid	12/07/88	12/14/88	ND		50.00	1.000
bis(2-Chloroethoxy) methane	12/07/88	12/14/88	ND		10.00	1.000
2,4-Dichlorophenol	12/07/88	12/14/88	ND		10.00	1.000
1,2,4-Trichlorobenzene	12/07/88	12/14/88	ND		10.00	1.000
Naphthalene	12/07/88	12/14/88	ND		10.00	1.000
4-Chloroaniline	12/07/88	12/14/88	ND		10.00	1.000
Hexachlorobutadiene	12/07/88	12/14/88	ND		10.00	1.000
4-Chloro-3-methylphenol	12/07/88	12/14/88	ND		10.00	1.000
2-Methylnaphthalene	12/07/88	12/14/88	ND		10.00	1.000
Hexachlorocyclopentadiene	12/07/88	12/14/88	ND		10.00	1.000
2,4,6-Trichlorophenol	12/07/88	12/14/88	ND		10.00	1.000
2,4,5-Trichlorophenol	12/07/88	12/14/88	ND		50.00	1.000
2-Chloronaphthalene	12/07/88	12/14/88	ND		10.00	1.000
2-Nitroaniline	12/07/88	12/14/88	ND		50.00	1.000
Dimethyl Phthalate	12/07/88	12/14/88	ND		10.00	1.000
Acenaphthylene	12/07/88	12/14/88	ND		10.00	1.000
2,6-Dinitrotoluene	12/07/88	12/14/88	ND		10.00	1.000
3-Nitroaniline	12/07/88	12/14/88	ND		50.00	1.000
Acenaphthene	12/07/88	12/14/88	ND		10.00	1.000
2,4-Dinitrophenol	12/07/88	12/14/88	ND		50.00	1.000
4-Nitrophenol	12/07/88	12/14/88	ND		50.00	1.000
Dibenzofuran	12/07/88	12/14/88	ND		10.00	1.000
2,4-Dinitrotoluene	12/07/88	12/14/88	ND		10.00	1.000
Diethylphthalate	12/07/88	12/14/88	ND		10.00	1.000
4-Chlorophenyl Phenyl Ether	12/07/88	12/14/88	ND		10.00	1.000
Fluorene	12/07/88	12/14/88	ND		10.00	1.000
4-Nitroaniline	12/07/88	12/14/88	ND		50.00	1.000

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PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	DIL
4,6-Dinitro-2-methylphenol	12/07/88	12/14/88		ND	50.00	1.000
N-nitrosodiphenylamine	12/07/88	12/14/88		ND	10.00	1.000
4-Bromophenyl Phenyl ether	12/07/88	12/14/88		ND	10.00	1.000
Hexachlorobenzene	12/07/88	12/14/88		ND	10.00	1.000
Pentachlorophenol	12/07/88	12/14/88		ND	50.00	1.000
Phenanthrene	12/07/88	12/14/88		ND	10.00	1.000
Anthracene	12/07/88	12/14/88		ND	10.00	1.000
Di-n-butylphthalate	12/07/88	12/14/88		ND	10.00	1.000
Fluoranthene	12/07/88	12/14/88		ND	10.00	1.000
Pyrene	12/07/88	12/14/88		ND	10.00	1.000
Butyl Benzyl Phthalate	12/07/88	12/14/88		ND	10.00	1.000
3,3'-Dichlorobenzidine	12/07/88	12/14/88		ND	20.00	1.000
Benzo(a)anthracene	12/07/88	12/14/88		ND	10.00	1.000
Chrysene	12/07/88	12/14/88		ND	10.00	1.000
bis(2-ethylhexyl)phthalate	12/07/88	12/14/88		ND	10.00	1.000
Di-n-octyl Phthalate	12/07/88	12/14/88		ND	10.00	1.000
Benzo(b)fluoranthene	12/07/88	12/14/88		ND	10.00	1.000
Benzo(k)fluoranthene	12/07/88	12/14/88		ND	10.00	1.000
Benzo(e)pyrene	12/07/88	12/14/88		ND	10.00	1.000

ENGINEERING SCIENCE 135-07

C:\R-0707A.009

CUSTOMER ID: BC-1146-GU1-ES

etaTRACE LAB ID: AA22765

SAMPLE DATE: 12/01/00

MATRIX: WATER

CATEGORY: HALOGENATED VOA

METHOD: SUB010

UNITS: UG/L

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05/16/09

PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	DIL
BIS(2-CHLOROETHOXY) METHANE	NA	12/05/00	ND		0.90	1.000
BIS(2-CHLOROISOPROPYL) ETHER	NA	12/05/00	ND		0.80	1.000
BROMODICHLOROMETHANE	NA	12/05/00	ND		0.10	1.000
BROMOFORM	NA	12/05/00	ND		1.00	1.000
BROMOMETHANE	NA	12/05/00	ND		1.20	1.000
CARBON TETRACHLORIDE	NA	12/05/00	ND		0.60	1.000
CHLOROBENZENE	NA	12/05/00	ND		1.25	1.000
CHLOROETHANE	NA	12/05/00	ND		0.52	1.000
CHLOROFORM	NA	12/05/00	6.65		0.25	1.000
2-CHLOROETHYL VINYL ETHER	NA	12/05/00	ND		0.13	1.000
CHLOROMETHANE	NA	12/05/00	ND		0.08	1.000
DIBROMOCHLOROMETHANE	NA	12/05/00	ND		0.45	1.000
1,2-DICHLOROBENZENE	NA	12/05/00	ND		0.75	1.000
1,3-DICHLOROBENZENE	NA	12/05/00	ND		1.60	1.000
1,4-DICHLOROBENZENE	NA	12/05/00	ND		1.20	1.000
1,1-DICHLOROETHANE	NA	12/05/00	ND		0.70	1.000
1,2-DICHLOROETHANE	NA	12/05/00	ND		0.15	1.000
1,1-DICHLOROETHENE	NA	12/05/00	ND		0.65	1.000
TRANS-1,2-DICHLOROETHENE	NA	12/05/00	0.13		0.50	1.000
DICHLOROETHANE	NA	12/05/00	ND		1.25	1.000
1,2-DICHLOROPROPANE	NA	12/05/00	ND		0.04	1.000
TRANS-1,3-DICHLOROPROPENE	NA	12/05/00	ND		0.20	1.000
1,1,2,2-TETRACHLOROETHANE	NA	12/05/00	ND		0.15	1.000
TETRACHLOROETHENE	NA	12/05/00	3.17		0.15	1.000
1,1,1-TRICHLOROETHANE	NA	12/05/00	2.04		0.15	1.000
1,1,2-TRICHLOROETHANE	NA	12/05/00	ND		0.10	1.000
TRICHLOROETHENE	NA	12/05/00	5.12		0.60	1.000
TRICHLOROFLUOROETHANE	NA	12/05/00	ND		0.50	1.000
VINYL CHLORIDE	NA	12/05/00	ND		0.18	1.000

ENGINEERING SCIENCE 135-07

C:\R-0707A.DDF

CUSTOMER ID: BC-MMS-GW1-ES

MetaTRACE LAB ID: AA22765

SAMPLE DATE: 12/01/88

MATRIX: WATER

CATEGORY: AROMATIC VOA

METHOD: SUB020

UNITS: UG/L

Page No. 1
05/16/89

PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	DIL
BENZENE	NA	12/05/88	ND		0.20	1.000
CHLOROBENZENE	NA	12/05/88	ND		0.20	1.000
1,2-DICHLOROBENZENE	NA	12/05/88	ND		0.40	1.000
1,3-DICHLOROBENZENE	NA	12/05/88	ND		0.40	1.000
1,4-DICHLOROBENZENE	NA	12/05/88	ND		0.30	1.000
ETHYL BENZENE	NA	12/05/88	ND		0.20	1.000
TOLUENE	NA	12/05/88	0.45	-	0.20	1.000
O-XYLENE	NA	12/05/88	0.49	-	0.20	1.000
M-XYLENE	NA	12/05/88	ND		0.20	1.000
P-XYLENE	NA	12/05/88	ND		0.20	1.000

ENGINEERING SCIENCE 135-07

C:\R-0707A.DBF

CUSTOMER ID: BC-MMS-GW1-ES

metaTRACE LAB ID: AA22765

SAMPLE DATE: 12/01/88

MATRIX: WATER

CATEGORY: PP_METALS

METHOD: EPA 6010

UNITS: UG/L

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05/16/89

PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	DIL
Antimony	NA	12/27/88	ND		60.00	1.000
Arsenic	NA	12/21/88	ND		10.00	1.000
Beryllium	NA	12/27/88	ND		5.00	1.000
Cadmium	NA	12/27/88	ND		5.00	1.000
Chromium	NA	12/27/88	ND		10.00	1.000
Copper	NA	12/27/88	ND		25.00	1.000
Lead	NA	12/21/88	12.90		5.00	1.000
Mercury	NA	12/09/88	0.66		0.20	1.000
Nickel	NA	12/27/88	ND		40.00	1.000
Selenium	NA	12/22/88	ND		5.00	1.000
Silver	NA	12/27/88	ND		10.00	1.000
Thallium	NA	12/21/88	ND		10.00	1.000
Zinc	NA	12/27/88	ND		20.00	1.000

ENGINEERING SCIENCE 135-07

C:R-0707.D89

CUSTOMER ID: BC-MW-7-GW1-ES

metaTRACE LAB ID: AA22762

SAMPLE DATE: 12/02/88

MATRIX: WATER

CATEGORY: SEMI-VOLATILES

METHOD: EPA 8270

UNITS: UG/L

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05/16/89

PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	DIL
Phenol	12/07/88	12/14/88	ND		10.00	1.000
bis(2-Chloroethyl) ether	12/07/88	12/14/88	ND		10.00	1.000
2-Chlorophenol	12/07/88	12/14/88	ND		10.00	1.000
1,3-Dichlorobenzene	12/07/88	12/14/88	ND		10.00	1.000
1,4-Dichlorobenzene	12/07/88	12/14/88	ND		10.00	1.000
Benzyl Alcohol	12/07/88	12/14/88	ND		10.00	1.000
1,2-Dichlorobenzene	12/07/88	12/14/88	ND		10.00	1.000
2-Methylphenol	12/07/88	12/14/88	ND		10.00	1.000
bis(2-Chloroisopropyl) ether	12/07/88	12/14/88	ND		10.00	1.000
4-Methylphenol	12/07/88	12/14/88	ND		10.00	1.000
N-Nitroso-Dipropylamine	12/07/88	12/14/88	ND		10.00	1.000
Hexachloroethane	12/07/88	12/14/88	ND		10.00	1.000
Nitrobenzene	12/07/88	12/14/88	ND		10.00	1.000
Isophorone	12/07/88	12/14/88	ND		10.00	1.000
2-Nitrophenol	12/07/88	12/14/88	ND		50.00	1.000
2,4-Dimethylphenol	12/07/88	12/14/88	ND		10.00	1.000
Benzoic Acid	12/07/88	12/14/88	ND		50.00	1.000
bis(2-Chloroethoxy) methane	12/07/88	12/14/88	ND		10.00	1.000
2,4-Dichlorophenol	12/07/88	12/14/88	ND		10.00	1.000
1,2,4-Trichlorobenzene	12/07/88	12/14/88	ND		10.00	1.000
Naphthalene	12/07/88	12/14/88	ND		10.00	1.000
4-Chloroaniline	12/07/88	12/14/88	ND		10.00	1.000
Hexachlorobutadiene	12/07/88	12/14/88	ND		10.00	1.000
4-Chloro-3-methylphenol	12/07/88	12/14/88	ND		10.00	1.000
2-Methylnaphthalene	12/07/88	12/14/88	ND		10.00	1.000
Hexachlorocyclopentadiene	12/07/88	12/14/88	ND		10.00	1.000
2,4,6-Trichlorophenol	12/07/88	12/14/88	ND		10.00	1.000
2,4,5-Trichlorophenol	12/07/88	12/14/88	ND		50.00	1.000
2-Chloronaphthalene	12/07/88	12/14/88	ND		10.00	1.000
2-Nitroaniline	12/07/88	12/14/88	ND		50.00	1.000
Dimethyl Phthalate	12/07/88	12/14/88	ND		10.00	1.000
Acenaphthylene	12/07/88	12/14/88	ND		10.00	1.000
2,6-Dinitrotoluene	12/07/88	12/14/88	ND		10.00	1.000
3-Nitroaniline	12/07/88	12/14/88	ND		50.00	1.000
Acenaphthene	12/07/88	12/14/88	ND		10.00	1.000
2,4-Dinitrophenol	12/07/88	12/14/88	ND		50.00	1.000
4-Nitrophenol	12/07/88	12/14/88	ND		50.00	1.000
Dibenzofuran	12/07/88	12/14/88	ND		10.00	1.000
2,4-Dinitrotoluene	12/07/88	12/14/88	ND		10.00	1.000
Diethylphthalate	12/07/88	12/14/88	ND		10.00	1.000
4-Chlorophenyl Phenyl Ether	12/07/88	12/14/88	ND		10.00	1.000
Fluorene	12/07/88	12/14/88	ND		10.00	1.000
4-Nitroaniline	12/07/88	12/14/88	ND		50.00	1.000

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05/16/89

PARAMETER	DATE_EXT	DATE_AMA	CONC.	ERR	DL	DIL
4,6-Dinitro-2-methylphenol	12/07/88	12/14/88		ND	50.00	1.000
N-nitrosodiphenylamine	12/07/88	12/14/88		ND	10.00	1.000
4-Bromophenyl Phenyl ether	12/07/88	12/14/88		ND	10.00	1.000
Hexachlorobenzene	12/07/88	12/14/88		ND	10.00	1.000
Pentachlorophenol	12/07/88	12/14/88		ND	50.00	1.000
Phenanthrene	12/07/88	12/14/88		ND	10.00	1.000
Anthracene	12/07/88	12/14/88		ND	10.00	1.000
Di-n-butylphthalate	12/07/88	12/14/88		ND	10.00	1.000
Fluoranthene	12/07/88	12/14/88		ND	10.00	1.000
Pyrene	12/07/88	12/14/88		ND	10.00	1.000
Butyl Benzyl Phthalate	12/07/88	12/14/88		ND	10.00	1.000
3,3'-Dichlorobenzidine	12/07/88	12/14/88		ND	20.00	1.000
Benzo(a)anthracene	12/07/88	12/14/88		ND	10.00	1.000
Chrysene	12/07/88	12/14/88		ND	10.00	1.000
bis(2-ethylhexyl)phthalate	12/07/88	12/14/88		ND	10.00	1.000
Di-n-octyl Phthalate	12/07/88	12/14/88		ND	10.00	1.000
Benzo(b)fluoranthene	12/07/88	12/14/88		ND	10.00	1.000
Benzo(k)fluoranthene	12/07/88	12/14/88		ND	10.00	1.000
Benzo(a)pyrene	12/07/88	12/14/88		ND	10.00	1.000

ENGINEERING SCIENCE 135-07

C:\R-0707.D09

CUSTOMER ID: BC-MW-7-GU1-ES

metaTRACE LAB ID: AA22762

SAMPLE DATE: 12/02/88

MATRIX: WATER

CATEGORY: HALOGENATED VOA

METHOD: SUB010

UNITS: UG/L

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05/16/89

PARAMETER	DATE_EXT	DATE_AMA	CONC.	ERR	DL	DIL
BIS(2-CHLOROETHOXY) METHANE	NA	12/05/88	ND		0.50	1.000
BIS(2-CHLOROISOPROPYL) ETHER	NA	12/05/88	ND		0.80	1.000
BROMODICHLOROMETHANE	NA	12/05/88	ND		0.10	1.000
BROMOFORM	NA	12/05/88	ND		1.00	1.000
BROMOMETHANE	NA	12/05/88	ND		1.20	1.000
CARBON TETRACHLORIDE	NA	12/05/88	ND		0.60	1.000
CHLOROBENZENE	NA	12/05/88	ND		1.25	1.000
CHLOROETHANE	NA	12/05/88	ND		0.52	1.000
CHLOROFORM	NA	12/05/88	1.19	-	0.25	1.000
2-CHLOROETHYL VINYL ETHER	NA	12/05/88	ND		0.13	1.000
CHLOROMETHANE	NA	12/05/88	ND		0.08	1.000
DIBROMOCHLOROMETHANE	NA	12/05/88	ND		0.45	1.000
1,2-DICHLOROBENZENE	NA	12/05/88	ND		0.75	1.000
1,3-DICHLOROBENZENE	NA	12/05/88	ND		1.60	1.000
1,4-DICHLOROBENZENE	NA	12/05/88	ND		1.20	1.000
1,1-DICHLOROETHANE	NA	12/05/88	ND		0.70	1.000
1,2-DICHLOROETHANE	NA	12/05/88	ND		0.15	1.000
1,1-DICHLOROETHENE	NA	12/05/88	ND		0.65	1.000
TRANS-1,2-DICHLOROETHENE	NA	12/05/88	18.95	-	0.50	1.000
DICHLOROMETHANE	NA	12/05/88	ND		1.25	1.000
1,2-DICHLOROPROPANE	NA	12/05/88	ND		0.04	1.000
TRANS-1,3-DICHLOROPROPENE	NA	12/05/88	ND		0.20	1.000
1,1,2,2-TETRACHLOROETHANE	NA	12/05/88	ND		0.15	1.000
TETRACHLOROETHENE	NA	12/05/88	ND		0.15	1.000
1,1,1-TRICHLOROETHANE	NA	12/05/88	0.97	+	0.15	1.000
1,1,2-TRICHLOROETHANE	NA	12/05/88	ND		0.10	1.000
TRICHLOROETHENE	NA	12/05/88	7.03	+	0.60	1.000
TRICHLOROFLUOROMETHANE	NA	12/05/88	ND		0.50	1.000
VINYL CHLORIDE	NA	12/05/88	ND		0.18	1.000

ENGINEERING SCIENCE 135-07

C:\R-0707.DBP

CUSTOMER ID: BC-MW-7-GW1-ES

netaTRACE LAB ID: AA22762

SAMPLE DATE: 12/02/88

MATRIX: WATER

CATEGORY: AROMATIC VOA

METHOD: SUB020

UNITS: UG/L

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05/16/89

PARAMETER	DATE_EXT	DATE_AMA	CONC.	ERR	DL	DIL
BENZENE	NA	12/05/88	0.23	-	0.20	1.000
CHLOROBENZENE	NA	12/05/88	ND		0.20	1.000
1,2-DICHLOROBENZENE	NA	12/05/88	ND		0.40	1.000
1,3-DICHLOROBENZENE	NA	12/05/88	ND		0.40	1.000
1,4-DICHLOROBENZENE	NA	12/05/88	ND		0.30	1.000
ETHYL BENZENE	NA	12/05/88	ND		0.20	1.000
TOLUENE	NA	12/05/88	0.56	-	0.20	1.000
O-XYLENE	NA	12/05/88	0.31	-	0.20	1.000
M-XYLENE	NA	12/05/88	ND		0.20	1.000
P-XYLENE	NA	12/05/88	ND		0.20	1.000

ENGINEERING SCIENCE 135-07

C:\R-0707.D0F

CUSTOMER ID: SC-MW-7-GW1-2S

etaTRACE LAB ID: AA22762

SAMPLE DATE: 12/02/88

MATRIX: WATER

CATEGORY: PP_METALS

METHOD: EPA 6010

UNITS: UG/L

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05/16/89

PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	DIL
Antimony	NA	12/27/88	ND		60.00	1.000
Arsenic	NA	12/21/88	ND		10.00	1.000
Beryllium	NA	12/27/88	ND		5.00	1.000
Cadmium	NA	12/27/88	ND		5.00	1.000
Chromium	NA	12/27/88	ND		10.00	1.000
Copper	NA	12/27/88	52.90		25.00	1.000
Lead	NA	12/21/88	58.90		5.00	1.000
Mercury	NA	12/09/88	0.65		0.20	1.000
Nickel	NA	12/27/88	ND		40.00	1.000
Selenium	NA	12/22/88	ND		5.00	1.000
Silver	NA	12/27/88	18.30		10.00	1.000
Thallium	NA	12/21/88	ND		10.00	1.000
Zinc	NA	12/27/88	50.00		20.00	1.000

ENGINEERING SCIENCE 133-07

C:R-0707A.DOF

CUSTOMER ID: BC-MMS-GW1-ES

metaTRACE LAB ID: AA22764

SAMPLE DATE: 12/02/88

MATRIX: WATER

CATEGORY: SEMI-VOLATILES

METHOD: EPA 8270

UNITS: UG/L

Page No. 1

05/16/89

PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	DIL
Phenol	12/07/88	12/14/88	ND		10.00	1.000
bis(2-Chloroethyl) ether	12/07/88	12/14/88	ND		10.00	1.000
2-Chlorophenol	12/07/88	12/14/88	ND		10.00	1.000
1,3-Dichlorobenzene	12/07/88	12/14/88	ND		10.00	1.000
1,4-Dichlorobenzene	12/07/88	12/14/88	ND		10.00	1.000
Benzyl Alcohol	12/07/88	12/14/88	ND		10.00	1.000
1,2-Dichlorobenzene	12/07/88	12/14/88	ND		10.00	1.000
2-Methylphenol	12/07/88	12/14/88	ND		10.00	1.000
bis(2-Chloroisopropyl) ether	12/07/88	12/14/88	ND		10.00	1.000
4-Methylphenol	12/07/88	12/14/88	ND		10.00	1.000
N-Nitroso-Dipropylamine	12/07/88	12/14/88	ND		10.00	1.000
Hexachloroethane	12/07/88	12/14/88	ND		10.00	1.000
Nitrobenzene	12/07/88	12/14/88	ND		10.00	1.000
Isophorone	12/07/88	12/14/88	ND		10.00	1.000
2-Nitrophenol	12/07/88	12/14/88	ND		50.00	1.000
2,4-Dimethylphenol	12/07/88	12/14/88	ND		10.00	1.000
Benzoic Acid	12/07/88	12/14/88	ND		50.00	1.000
bis(2-Chloroethoxy) methane	12/07/88	12/14/88	ND		10.00	1.000
2,4-Dichlorophenol	12/07/88	12/14/88	ND		10.00	1.000
1,2,4-Trichlorobenzene	12/07/88	12/14/88	ND		10.00	1.000
Naphthalene	12/07/88	12/14/88	ND		10.00	1.000
4-Chloroaniline	12/07/88	12/14/88	ND		10.00	1.000
Hexachlorobutadiene	12/07/88	12/14/88	ND		10.00	1.000
4-Chloro-3-methylphenol	12/07/88	12/14/88	ND		10.00	1.000
2-Methylnaphthalene	12/07/88	12/14/88	ND		10.00	1.000
Hexachlorocyclopentadiene	12/07/88	12/14/88	ND		10.00	1.000
2,4,6-Trichlorophenol	12/07/88	12/14/88	ND		10.00	1.000
2,4,5-Trichlorophenol	12/07/88	12/14/88	ND		50.00	1.000
2-Chloronaphthalene	12/07/88	12/14/88	ND		10.00	1.000
2-Nitroaniline	12/07/88	12/14/88	ND		50.00	1.000
Dimethyl Phthalate	12/07/88	12/14/88	ND		10.00	1.000
Acenaphthylene	12/07/88	12/14/88	ND		10.00	1.000
2,6-Dinitrotoluene	12/07/88	12/14/88	ND		10.00	1.000
3-Nitroaniline	12/07/88	12/14/88	ND		50.00	1.000
Acenaphthene	12/07/88	12/14/88	ND		10.00	1.000
2,4-Dinitrophenol	12/07/88	12/14/88	ND		50.00	1.000
4-Nitrophenol	12/07/88	12/14/88	ND		50.00	1.000
Dibenzofuran	12/07/88	12/14/88	ND		10.00	1.000
2,4-Dinitrotoluene	12/07/88	12/14/88	ND		10.00	1.000
Diethylphthalate	12/07/88	12/14/88	ND		10.00	1.000
4-Chlorophenyl Phenyl Ether	12/07/88	12/14/88	ND		10.00	1.000
Fluorene	12/07/88	12/14/88	ND		10.00	1.000
4-Nitroaniline	12/07/88	12/14/88	ND		50.00	1.000

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05/14/89

PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	DIL
4,6-Dinitro-2-methylphenol	12/07/88	12/14/88		ND	50.00	1.000
N-nitrosodiphenylamine	12/07/88	12/14/88		ND	10.00	1.000
4-Bromophenyl Phenyl ether	12/07/88	12/14/88		ND	10.00	1.000
Hexachlorobenzene	12/07/88	12/14/88		ND	10.00	1.000
Pentachlorophenol	12/07/88	12/14/88		ND	50.00	1.000
Phenanthrene	12/07/88	12/14/88		ND	10.00	1.000
Anthracene	12/07/88	12/14/88		ND	10.00	1.000
Di-n-butylphthalate	12/07/88	12/14/88		ND	10.00	1.000
Fluoranthene	12/07/88	12/14/88		ND	10.00	1.000
Pyrene	12/07/88	12/14/88		ND	10.00	1.000
Butyl Benzyl Phthalate	12/07/88	12/14/88		ND	10.00	1.000
3,3'-Dichlorobenzidine	12/07/88	12/14/88		ND	20.00	1.000
Benzo(a)anthracene	12/07/88	12/14/88		ND	10.00	1.000
Chrysene	12/07/88	12/14/88		ND	10.00	1.000
bis(2-ethylhexyl)phthalate	12/07/88	12/14/88		-17.00	10.00	1.000
Di-n-octyl Phthalate	12/07/88	12/14/88		ND	10.00	1.000
Benzo(b)fluoranthene	12/07/88	12/14/88		ND	10.00	1.000
Benzo(k)fluoranthene	12/07/88	12/14/88		ND	10.00	1.000
Benzo(a)pyrene	12/07/88	12/14/88		ND	10.00	1.000

ENGINEERING SCIENCE 133-07

C:\R-0707A.DBF

CUSTOMER ID: BC-MMS-GM1-ES

metaTRACE LAB ID: AA22764

SAMPLE DATE: 12/02/88

MATRIX: WATER

CATEGORY: HALOGENATED VOC

METHOD: SUB010

UNITS: UG/L

Page No. 1

05/16/89

PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	DIL
BIS(2-CHLOROETHOXY) METHANE	NA	12/05/88		ND	0.50	1.000
BIS(2-CHLOROISOPROPYL) ETHER	NA	12/05/88		ND	0.80	1.000
BROMODICHLOROMETHANE	NA	12/05/88		ND	0.10	1.000
BROMOFORM	NA	12/05/88		ND	1.00	1.000
BROMOMETHANE	NA	12/05/88		ND	1.20	1.000
CARBON TETRACHLORIDE	NA	12/05/88		ND	0.60	1.000
CHLOROBENZENE	NA	12/05/88		ND	1.25	1.000
CHLOROETHANE	NA	12/05/88		ND	0.52	1.000
CHLOROFORM	NA	12/05/88	6.13		0.25	1.000
2-CHLOROETHYL VINYL ETHER	NA	12/05/88		ND	0.13	1.000
CHLOROMETHANE	NA	12/05/88		ND	0.08	1.000
DIBROMOCHLOROMETHANE	NA	12/05/88		ND	0.45	1.000
1,2-DICHLOROBENZENE	NA	12/05/88		ND	0.75	1.000
1,3-DICHLOROBENZENE	NA	12/05/88		ND	1.60	1.000
1,4-DICHLOROBENZENE	NA	12/05/88		ND	1.20	1.000
1,1-DICHLOROETHANE	NA	12/05/88		ND	0.70	1.000
1,2-DICHLOROETHANE	NA	12/05/88		ND	0.15	1.000
1,1-DICHLOROETHENE	NA	12/05/88		ND	0.65	1.000
TRANS-1,2-DICHLOROETHENE	NA	12/05/88		ND	0.50	1.000
DICHLOROETHANE	NA	12/05/88		ND	1.25	1.000
1,2-DICHLOROPROPANE	NA	12/05/88		ND	0.04	1.000
TRANS-1,3-DICHLOROPROPENE	NA	12/05/88		ND	0.20	1.000
1,1,2,2-TETRACHLOROETHANE	NA	12/05/88		ND	0.15	1.000
TETRACHLOROETHENE	NA	12/05/88		ND	0.15	1.000
1,1,1-TRICHLOROETHANE	NA	12/05/88	2.19		0.15	1.000
1,1,2-TRICHLOROETHANE	NA	12/05/88		ND	0.10	1.000
TRICHLOROETHENE	NA	12/05/88		ND	0.60	1.000
TRICHLOROFLUOROMETHANE	NA	12/05/88		ND	0.50	1.000
VINYL CHLORIDE	NA	12/05/88	0.34		0.18	1.000

ENGINEERING SCIENCE 135-07

C:\R-0707A.DDF

CUSTOMER ID: SC-PMB-GW1-ES

metaTRACE LAB ID: AA22764

SAMPLE DATE: 12/02/88

MATRIX: WATER

CATEGORY: AROMATIC VOA

METHOD: SUB020

UNITS: UG/L

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05/16/89

PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	DIL
BENZENE	NA	12/05/88	ND		0.20	1.000
CHLOROBENZENE	NA	12/05/88	ND		0.20	1.000
1,2-DICHLOROBENZENE	NA	12/05/88	ND		0.40	1.000
1,3-DICHLOROBENZENE	NA	12/05/88	ND		0.40	1.000
1,4-DICHLOROBENZENE	NA	12/05/88	ND		0.30	1.000
ETHYL BENZENE	NA	12/05/88	ND		0.20	1.000
TOLUENE	NA	12/05/88	0.42	-	0.20	1.000
O-XYLENE	NA	12/05/88	0.27	-	0.20	1.000
M-XYLENE	NA	12/05/88	ND		0.20	1.000
P-XYLENE	NA	12/05/88	ND		0.20	1.000

ENGINEERING SCIENCE 135-07

C:\R-0707A.DBF

CUSTOMER ID: BC-MMB-GW1-ES

etaTRACE LAB ID: AA22764

SAMPLE DATE: 12/02/88

MATRIX: WATER

CATEGORY: PP_METALS

METHOD: EPA 6010

UNITS: UG/L

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05/16/89

PARAMETER	DATE_EXT	DATE_AMA	CONC.	ERR	DL	DIL
Antimony	NA	12/27/88	ND		60.00	1.000
Arsenic	NA	12/21/88	ND		10.00	1.000
Beryllium	NA	12/27/88	ND		5.00	1.000
Cadmium	NA	12/27/88	ND		5.00	1.000
Chromium	NA	12/27/88	ND		10.00	1.000
Copper	NA	12/27/88	ND		25.00	1.000
Lead	NA	12/21/88	33.40		5.00	1.000
Mercury	NA	12/09/88	0.63		0.20	1.000
Nickel	NA	12/27/88	ND		40.00	1.000
Selenium	NA	12/22/88	ND		5.00	1.000
Silver	NA	12/27/88	ND		10.00	1.000
Thallium	NA	12/21/88	ND		10.00	1.000
Zinc	NA	12/27/88	69.40		20.00	1.000

ENGINEERING SCIENCE 135-07

C:R-0707.D0F

CUSTOMER ID: BC-MW-001-ES

netaTRACE LAB ID: AA22763

SAMPLE DATE: 12/02/88

MATRIX: WATER

CATEGORY: SEMI-VOLATILES

METHOD: EPA 8270

UNITS: UG/L

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05/16/89

PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	DIL
Phenol	12/07/88	12/14/88	ND		10.00	1.000
bis(2-Chloroethyl) ether	12/07/88	12/14/88	ND		10.00	1.000
2-Chlorophenol	12/07/88	12/14/88	ND		10.00	1.000
1,3-Dichlorobenzene	12/07/88	12/14/88	ND		10.00	1.000
1,4-Dichlorobenzene	12/07/88	12/14/88	ND		10.00	1.000
Benzyl Alcohol	12/07/88	12/14/88	ND		10.00	1.000
1,2-Dichlorobenzene	12/07/88	12/14/88	ND		10.00	1.000
2-Methylphenol	12/07/88	12/14/88	ND		10.00	1.800
bis(2-Chloroisopropyl) ether	12/07/88	12/14/88	ND		10.00	1.800
4-Methylphenol	12/07/88	12/14/88	ND		10.00	1.000
N-Nitroso-Dipropylamine	12/07/88	12/14/88	ND		10.00	1.000
Hexachloroethane	12/07/88	12/14/88	ND		10.00	1.000
Nitrobenzene	12/07/88	12/14/88	ND		10.00	1.000
Isophorone	12/07/88	12/14/88	ND		10.00	1.000
2-Nitrophenol	12/07/88	12/14/88	ND		50.00	1.000
2,4-Dimethylphenol	12/07/88	12/14/88	ND		10.00	1.000
Benzoic Acid	12/07/88	12/14/88	ND		50.00	1.000
bis(2-Chloroethoxy) methane	12/07/88	12/14/88	ND		10.00	1.000
2,4-Dichlorophenol	12/07/88	12/14/88	ND		10.00	1.000
1,2,4-Trichlorobenzene	12/07/88	12/14/88	ND		10.00	1.000
Naphthalene	12/07/88	12/14/88	ND		10.00	1.000
4-Chloroaniline	12/07/88	12/14/88	ND		10.00	1.000
Hexachlorobutadiene	12/07/88	12/14/88	ND		10.00	1.000
4-Chloro-3-methylphenol	12/07/88	12/14/88	ND		10.00	1.000
2-Methylnaphthalene	12/07/88	12/14/88	ND		10.00	1.000
Hexachlorocyclopentadiene	12/07/88	12/14/88	ND		10.00	1.000
2,4,6-Trichlorophenol	12/07/88	12/14/88	ND		10.00	1.000
2,4,5-Trichlorophenol	12/07/88	12/14/88	ND		50.00	1.000
2-Chloronaphthalene	12/07/88	12/14/88	ND		10.00	1.000
2-Nitroaniline	12/07/88	12/14/88	ND		50.00	1.000
Dimethyl Phthalate	12/07/88	12/14/88	ND		10.00	1.000
Acenaphthylene	12/07/88	12/14/88	ND		10.00	1.000
2,6-Dinitrotoluene	12/07/88	12/14/88	ND		10.00	1.000
3-Nitroaniline	12/07/88	12/14/88	ND		50.00	1.000
Acenaphthene	12/07/88	12/14/88	ND		10.00	1.000
2,4-Dinitrophenol	12/07/88	12/14/88	ND		50.00	1.000
4-Nitrophenol	12/07/88	12/14/88	ND		50.00	1.000
Dibenzofuran	12/07/88	12/14/88	ND		10.00	1.000
2,4-Dinitrotoluene	12/07/88	12/14/88	ND		10.00	1.000
Diethylphthalate	12/07/88	12/14/88	ND		10.00	1.000
4-Chlorophenyl Phenyl Ether	12/07/88	12/14/88	ND		10.00	1.000
Fluorene	12/07/88	12/14/88	ND		10.00	1.000
4-Nitroaniline	12/07/88	12/14/88	ND		50.00	1.000

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05/14/00

PARAMETER	DATE_EXT	DATE_ASA	CONC.	ERR	DL	DIL
4,6-Dinitro-2-methylphenol	12/07/99	12/14/99		10	50.00	1.000
4-Nitro-2-chlorophenylamine	12/07/99	12/14/99		10	10.00	1.000
4-Bromophenyl Phenyl ether	12/07/99	12/14/99		10	10.00	1.000
Hexachlorobenzene	12/07/99	12/14/99		10	10.00	1.000
Pentachlorophenol	12/07/99	12/14/99		10	50.00	1.000
Phenanthrene	12/07/99	12/14/99		10	10.00	1.000
Anthracene	12/07/99	12/14/99		10	10.00	1.000
Di-n-butylphthalate	12/07/99	12/14/99		10	10.00	1.000
Fluoranthene	12/07/99	12/14/99		10	10.00	1.000
Pyrene	12/07/99	12/14/99		10	10.00	1.000
Butyl Benzyl Phthalate	12/07/99	12/14/99		10	10.00	1.000
3,3'-Dichlorobenzidine	12/07/99	12/14/99		10	20.00	1.000
Benzo(a)anthracene	12/07/99	12/14/99		10	10.00	1.000
Chrysene	12/07/99	12/14/99		10	10.00	1.000
bis(2-ethylhexyl)phthalate	12/07/99	12/14/99		10	10.00	1.000
Di-n-octyl Phthalate	12/07/99	12/14/99		10	10.00	1.000
Benzo(b)fluoranthene	12/07/99	12/14/99		10	10.00	1.000
Benzo(k)fluoranthene	12/07/99	12/14/99		10	10.00	1.000
Benzo(a)pyrene	12/07/99	12/14/99		10	10.00	1.000

ENGINEERING SCIENCE 135-07

C:R-0707.00F

CUSTOMER ID: BC-MW9-QW1-E9

metaTRACE LAB ID: AA22763

SAMPLE DATE: 12/02/88

MATRIX: WATER

CATEGORY: HALOGENATED VOA

METHOD: SMD010

UNITS: UG/L

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05/16/89

PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	DIL
BIS(2-CHLOROETHOXY) METHANE	NA	12/05/88	ND		0.50	1.000
BIS(2-CHLOROISOPROPYL) ETHER	NA	12/05/88	ND		0.80	1.000
BROMODICHLOROMETHANE	NA	12/05/88	ND		0.10	1.000
BROMOFORM	NA	12/05/88	ND		1.00	1.000
BROMOMETHANE	NA	12/05/88	ND		1.20	1.000
CARBON TETRACHLORIDE	NA	12/05/88	ND		0.60	1.000
CHLOROBENZENE	NA	12/05/88	ND		1.25	1.000
CHLOROETHANE	NA	12/05/88	ND		0.52	1.000
CHLOROFORM	NA	12/05/88	7.55	-	0.25	1.000
2-CHLOROETHYL VINYL ETHER	NA	12/05/88	ND		0.13	1.000
CHLOROMETHANE	NA	12/05/88	0.48	-	0.08	1.000
DIBROMODICHLOROMETHANE	NA	12/05/88	ND		0.45	1.000
1,2-DICHLOROBENZENE	NA	12/05/88	ND		0.75	1.000
1,3-DICHLOROBENZENE	NA	12/05/88	ND		1.60	1.000
1,4-DICHLOROBENZENE	NA	12/05/88	ND		1.20	1.000
1,1-DICHLOROETHANE	NA	12/05/88	ND		0.70	1.000
1,2-DICHLOROETHANE	NA	12/05/88	ND		0.15	1.000
1,1-DICHLOROETHENE	NA	12/05/88	ND		0.65	1.000
TRANS-1,2-DICHLOROETHENE	NA	12/05/88	ND		0.50	1.000
DICHLOROMETHANE	NA	12/05/88	ND		1.25	1.000
1,2-DICHLOROPROPANE	NA	12/05/88	ND		0.04	1.000
TRANS-1,3-DICHLOROPROPENE	NA	12/05/88	ND		0.20	1.000
1,1,2,2-TETRACHLOROETHANE	NA	12/05/88	ND		0.15	1.000
TETRACHLOROETHENE	NA	12/05/88	ND		0.15	1.000
1,1,1-TRICHLOROETHANE	NA	12/05/88	2.70	+	0.15	1.000
1,1,2-TRICHLOROETHANE	NA	12/05/88	ND		0.10	1.000
TRICHLOROETHENE	NA	12/05/88	ND		0.60	1.000
TRICHLOROFLUOROMETHANE	NA	12/05/88	ND		0.50	1.000
VINYL CHLORIDE	NA	12/05/88	ND		0.18	1.000

ENGINEERING SCIENCE 135-07

C:\R-0707.DBF

CUSTOMER ID: BC-MW9-GW1-ES

metaTRACE LAB ID: AA22763

SAMPLE DATE: 12/02/88

MATRIX: WATER

CATEGORY: AROMATIC VOA

METHOD: SUB020

UNITS: UG/L

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05/16/89

PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	DIL
BENZENE	NA	12/05/88	ND		0.20	1.000
CHLOROBENZENE	NA	12/05/88	ND		0.20	1.000
1,2-DICHLOROBENZENE	NA	12/05/88	ND		0.40	1.000
1,3-DICHLOROBENZENE	NA	12/05/88	ND		0.40	1.000
1,4-DICHLOROBENZENE	NA	12/05/88	ND		0.30	1.000
ETHYL BENZENE	NA	12/05/88	ND		0.20	1.000
TOLUENE	NA	12/05/88	0.65		0.20	1.000
O-XYLENE	NA	12/05/88	0.56		0.20	1.000
M-XYLENE	NA	12/05/88	ND		0.20	1.000
P-XYLENE	NA	12/05/88	ND		0.20	1.000

ENGINEERING SCIENCE 135-07

C:R-0707.089

CUSTOMER ID: BC-MU9-GW1-ES

metaTRACE LAB ID: AA22763

SAMPLE DATE: 12/02/88

MATRIX: WATER

CATEGORY: PP_METALS

METHOD: EPA 6010

UNITS: UG/L

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05/16/89

PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	DIL
Antimony	NA	12/27/88	ND		60.00	1.000
Arsenic	NA	12/21/88	ND		10.00	1.000
Beryllium	NA	12/27/88	ND		5.00	1.000
Cadmium	NA	12/27/88	ND		5.00	1.000
Chromium	NA	12/27/88	ND		10.00	1.000
Copper	NA	12/27/88	ND		25.00	1.000
Lead	NA	12/21/88	ND		5.00	1.000
Mercury	NA	12/09/88	0.42		0.20	1.000
Nickel	NA	12/27/88	ND		40.00	1.000
Selenium	NA	12/22/88	ND		5.00	1.000
Silver	NA	12/27/88	ND		10.00	1.000
Thallium	NA	12/21/88	ND		10.00	1.000
Zinc	NA	12/27/88	ND		20.00	1.000

ENGINEERING SCIENCE 133-07

C:R-0707C.08F

CUSTOMER ID: SC-MW100-WJES

netaTRACE LAB ID: AA22768

SAMPLE DATE: 12/01/88

MATRIX: WATER

CATEGORY: AROMATIC VOA

METHOD: SUB020

UNITS: UG/L

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05/16/89

PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	QIL
BENZENE	NA	12/05/88	ND		0.20	1.000
CHLOROBENZENE	NA	12/05/88	ND		0.20	1.000
1,2-DICHLOROBENZENE	NA	12/05/88	ND		0.40	1.000
1,3-DICHLOROBENZENE	NA	12/05/88	ND		0.40	1.000
1,4-DICHLOROBENZENE	NA	12/05/88	ND		0.30	1.000
ETHYL BENZENE	NA	12/05/88	ND		0.20	1.000
TOLUENE	NA	12/05/88	0.54	-	0.20	1.000
O-XYLENE	NA	12/05/88	0.32	-	0.20	1.000
M-XYLENE	NA	12/05/88	ND		0.20	1.000
P-XYLENE	NA	12/05/88	ND		0.20	1.000

ENGINEERING SCIENCE 135-67

V:\JARC2.DBF

CUSTOMER ID: SC-MW10-041-ES

metTRACE LAB ID: AA22768

SAMPLE DATE: 12/01/88

MATRIX: WATER

CATEGORY: SEMI-VOLATILES

METHOD: EPA 8270

UNITS: UG/L

Page No. 1
08/03/89

PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	DIL
Phenol	12/07/88	12/14/88	ND		10.00	1.000
bis(2-Chloroethyl) ether	12/07/88	12/14/88	ND		10.00	1.000
2-Chlorophenol	12/07/88	12/14/88	ND		10.00	1.000
1,3-Dichlorobenzene	12/07/88	12/14/88	ND		10.00	1.000
1,4-Dichlorobenzene	12/07/88	12/14/88	ND		10.00	1.000
Benzyl Alcohol	12/07/88	12/14/88	ND		10.00	1.000
1,2-Dichlorobenzene	12/07/88	12/14/88	ND		10.00	1.000
2-Methylphenol	12/07/88	12/14/88	ND		10.00	1.000
bis(2-Chloroisopropyl) ether	12/07/88	12/14/88	ND		10.00	1.000
4-Methylphenol	12/07/88	12/14/88	ND		10.00	1.000
N-Nitroso-N-propylamine	12/07/88	12/14/88	ND		10.00	1.000
Hexachloroethane	12/07/88	12/14/88	ND		10.00	1.000
Nitrobenzene	12/07/88	12/14/88	ND		10.00	1.000
Isophorone	12/07/88	12/14/88	ND		10.00	1.000
2-Nitrophenol	12/07/88	12/14/88	ND		50.00	1.000
2,4-Dimethylphenol	12/07/88	12/14/88	ND		10.00	1.000
Benzoic Acid	12/07/88	12/14/88	ND		50.00	1.000
bis(2-Chloroethoxy) methane	12/07/88	12/14/88	ND		10.00	1.000
2,4-Dichlorophenol	12/07/88	12/14/88	ND		10.00	1.000
1,2,4-Trichlorobenzene	12/07/88	12/14/88	ND		10.00	1.000
Naphthalene	12/07/88	12/14/88	ND		10.00	1.000
4-Chloroaniline	12/07/88	12/14/88	ND		10.00	1.000
Hexachlorobutadiene	12/07/88	12/14/88	ND		10.00	1.000
4-Chloro-3-methylphenol	12/07/88	12/14/88	ND		10.00	1.000
2-Methylnaphthalene	12/07/88	12/14/88	ND		10.00	1.000
Hexachlorocyclopentadiene	12/07/88	12/14/88	ND		10.00	1.000
2,4,6-Trichlorophenol	12/07/88	12/14/88	ND		10.00	1.000
2,4,5-Trichlorophenol	12/07/88	12/14/88	ND		50.00	1.000
2-Chloronaphthalene	12/07/88	12/14/88	ND		10.00	1.000
2-Nitroaniline	12/07/88	12/14/88	ND		50.00	1.000
Bisethyl Phthalate	12/07/88	12/14/88	ND		10.00	1.000
Acenaphthylene	12/07/88	12/14/88	ND		10.00	1.000
2,6-Dinitrotoluene	12/07/88	12/14/88	ND		10.00	1.000
3-Nitroaniline	12/07/88	12/14/88	ND		50.00	1.000
Acenaphthene	12/07/88	12/14/88	ND		10.00	1.000
2,4-Dinitrophenol	12/07/88	12/14/88	ND		50.00	1.000
4-Nitrophenol	12/07/88	12/14/88	ND		50.00	1.000
Bibenzofuran	12/07/88	12/14/88	ND		10.00	1.000
2,4-Dinitrotoluene	12/07/88	12/14/88	ND		10.00	1.000
Diethylphthalate	12/07/88	12/14/88	ND		10.00	1.000
4-Chlorophenyl Phenyl Ether	12/07/88	12/14/88	ND		10.00	1.000
Fluorene	12/07/88	12/14/88	ND		10.00	1.000
4-Nitroaniline	12/07/88	12/14/88	ND		50.00	1.000

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05/14/89

PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	DIL
4,6-Dinitro-2-methylphenol	12/07/88	12/13/88	ND		50.00	1.000
N-nitrosodiphenylamine	12/07/88	12/13/88	ND		10.00	1.000
4-Bromophenyl Phenyl ether	12/07/88	12/13/88	ND		10.00	1.000
Hexachlorobenzene	12/07/88	12/13/88	ND		10.00	1.000
Pentachlorophenol	12/07/88	12/13/88	ND		50.00	1.000
Phenanthrene	12/07/88	12/13/88	ND		10.00	1.000
Anthracene	12/07/88	12/13/88	ND		10.00	1.000
Di-n-butylphthalate	12/07/88	12/13/88	ND		10.00	1.000
Fluoranthene	12/07/88	12/13/88	ND		10.00	1.000
Pyrene	12/07/88	12/13/88	ND		10.00	1.000
Butyl Benzyl Phthalate	12/07/88	12/13/88	ND		10.00	1.000
3,3'-Dichlorobenzidine	12/07/88	12/13/88	ND		20.00	1.000
Benzo(a)anthracene	12/07/88	12/13/88	ND		10.00	1.000
Chrysene	12/07/88	12/13/88	ND		10.00	1.000
bis(2-ethylhexyl)phthalate	12/07/88	12/13/88	ND		10.00	1.000
Di-n-octyl Phthalate	12/07/88	12/13/88	ND		10.00	1.000
Benzo(b)fluoranthene	12/07/88	12/13/88	ND		10.00	1.000
Benzo(k)fluoranthene	12/07/88	12/13/88	ND		10.00	1.000
Benzo(a)pyrene	12/07/88	12/13/88	ND		10.00	1.000

ENGINEERING SCIENCE 135-07

C:\R-08A.DOF

CUSTOMER ID: BCA-M42-QM1-ES

metaTRACE LAB ID: AA22787

SAMPLE DATE: 12/03/88

MATRIX: WATER

CATEGORY: HALOGENATED VOC

METHOD: SUB010

UNITS: UG/L

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05/16/89

PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	DIL
BIS(2-CHLOROETHOXY) METHANE	NA	12/08/88	ND		0.50	1.000
BIS(2-CHLOROISOPROPYL) ETHER	NA	12/08/88	ND		0.80	1.000
BROMODICHLOROMETHANE	NA	12/08/88	ND		0.10	1.000
BROMOFORM	NA	12/08/88	ND		1.00	1.000
BROMOMETHANE	NA	12/08/88	ND		1.20	1.000
CARBON TETRACHLORIDE	NA	12/08/88	ND		0.60	1.000
CHLOROBENZENE	NA	12/08/88	ND		1.25	1.000
CHLOROETHANE	NA	12/08/88	ND		0.52	1.000
CHLOROFORM	NA	12/08/88	0.50		0.25	1.000
2-CHLOROETHYL VINYL ETHER	NA	12/08/88	ND		0.13	1.000
CHLOROMETHANE	NA	12/08/88	0.32		0.08	1.000
DIBROMOCHLOROMETHANE	NA	12/08/88	ND		0.45	1.000
1,2-DICHLOROBENZENE	NA	12/08/88	ND		0.75	1.000
1,3-DICHLOROBENZENE	NA	12/08/88	ND		1.60	1.000
1,4-DICHLOROBENZENE	NA	12/08/88	ND		1.20	1.000
1,1-DICHLOROETHANE	NA	12/08/88	ND		0.70	1.000
1,2-DICHLOROETHANE	NA	12/08/88	ND		0.15	1.000
1,1-DICHLOROETHENE	NA	12/08/88	ND		0.65	1.000
TRANS-1,2-DICHLOROETHENE	NA	12/08/88	ND		0.50	1.000
DICHLOROETHANE	NA	12/08/88	ND		1.25	1.000
1,2-DICHLOROPROPANE	NA	12/08/88	ND		0.04	1.000
TRANS-1,3-DICHLOROPROPENE	NA	12/08/88	ND		0.20	1.000
1,1,2,2-TETRACHLOROETHANE	NA	12/08/88	ND		0.15	1.000
TETRACHLOROETHENE	NA	12/08/88	ND		0.15	1.000
1,1,1-TRICHLOROETHANE	NA	12/08/88	3.95		0.15	1.000
1,1,2-TRICHLOROETHANE	NA	12/08/88	ND		0.10	1.000
TRICHLOROETHENE	NA	12/08/88	0.15		0.60	1.000
TRICHLOROFLUOROETHANE	NA	12/08/88	ND		0.50	1.000
VINYL CHLORIDE	NA	12/08/88	ND		0.18	1.000

ENGINEERING SCIENCE 135-07

C:\R-08A.D09

CUSTOMER ID: BCA-M42-041-ES

ataTRACE LAB ID: AA22787

SAMPLE DATE: 12/03/08

MATRIX: WATER

CATEGORY: AROMATIC VOC

METHOD: S40020

UNITS: UG/L

 Page No. 1
 05/16/09

PARAMETER	DATE_EXT	DATE_AMA	CONC.	ERR	DL	DIL
BENZENE	NA	12/08/08	ND		0.20	1.000
CHLOROBENZENE	NA	12/08/08	0.26	-	0.20	1.000
1,2-DICHLOROBENZENE	NA	12/08/08	ND		0.40	1.000
1,3-DICHLOROBENZENE	NA	12/08/08	ND		0.40	1.000
1,4-DICHLOROBENZENE	NA	12/08/08	ND		0.30	1.000
ETHYL BENZENE	NA	12/08/08	ND		0.20	1.000
TOLUENE	NA	12/08/08	4.04		0.20	1.000
O-XYLENE	NA	12/08/08	0.56	-	0.20	1.000
M-XYLENE	NA	12/08/08	0.60	-	0.20	1.000
P-XYLENE	NA	12/08/08	ND		0.20	1.000

ENGINEERING SCIENCE 135-07

C:\R-08A.DOF

CUSTOMER ID: BCA-MW2-GW1-ES

metaTRACE LAB ID: AA22787

SAMPLE DATE: 12/03/00

MATRIX: WATER

CATEGORY: PP_METALS

METHOD: EPA 6010

UNITS: UG/L

Page No. 1
05/16/09

PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	DIL
Antimony	NA	12/27/00	ND		60.00	1.000
Arsenic	NA	01/03/09	ND		10.00	1.000
Beryllium	NA	12/27/00	ND		5.00	1.000
Cadmium	NA	12/27/00	ND		5.00	1.000
Chromium	NA	12/27/00	ND		10.00	1.000
Copper	NA	12/27/00	ND		25.00	1.000
Lead	NA	12/21/00	37.00		5.00	1.000
Mercury	NA	12/27/00	0.40		0.20	1.000
Nickel	NA	12/27/00	ND		40.00	1.000
Selenium	NA	12/21/00	ND		5.00	1.000
Silver	NA	12/27/00	ND		10.00	1.000
Thallium	NA	12/21/00	ND		10.00	1.000
Zinc	NA	12/27/00	34.00		20.00	1.000

ENGINEERING SCIENCE 135-07

C:R-09A.D8F

CUSTOMER ID: BCA-MMS-GW1-ES

metaTRACE LAB ID: AA22812

SAMPLE DATE: 12/04/88

MATRIX: WATER

CATEGORY: SEMI-VOLATILES

METHOD: EPA 8270

UNITS: UG/L

Page No. 1
05/16/89

PARAMETER	DATE_EXT	DATE_AMA	CONC.	ERR	DL	DIL
Phenol	12/09/88	12/15/88	ND		10.00	1.000
bis(2-Chloroethyl) ether	12/09/88	12/15/88	ND		10.00	1.000
2-Chlorophenol	12/09/88	12/15/88	ND		10.00	1.000
1,3-Dichlorobenzene	12/09/88	12/15/88	ND		10.00	1.000
1,4-Dichlorobenzene	12/09/88	12/15/88	ND		10.00	1.000
Benzyl Alcohol	12/09/88	12/15/88	ND		10.00	1.000
1,2-Dichlorobenzene	12/09/88	12/15/88	ND		10.00	1.000
2-Methylphenol	12/09/88	12/15/88	ND		10.00	1.000
bis(2-Chloroisopropyl) ether	12/09/88	12/15/88	ND		10.00	1.000
4-Methylphenol	12/09/88	12/15/88	ND		10.00	1.000
N-Nitroso-Diisopropylamine	12/09/88	12/15/88	ND		10.00	1.000
Hexachloroethane	12/09/88	12/15/88	ND		10.00	1.000
Nitrobenzene	12/09/88	12/15/88	ND		10.00	1.000
Isophorone	12/09/88	12/15/88	ND		10.00	1.000
2-Nitrophenol	12/09/88	12/15/88	ND		50.00	1.000
2,4-Dimethylphenol	12/09/88	12/15/88	ND		10.00	1.000
Benzoic Acid	12/09/88	12/15/88	ND		50.00	1.000
bis(2-Chloroethoxy) methane	12/09/88	12/15/88	ND		10.00	1.000
2,4-Dichlorophenol	12/09/88	12/15/88	ND		10.00	1.000
1,2,4-Trichlorobenzene	12/09/88	12/15/88	ND		10.00	1.000
Naphthalene	12/09/88	12/15/88	ND		10.00	1.000
4-Chloroaniline	12/09/88	12/15/88	ND		10.00	1.000
Hexachlorobutadiene	12/09/88	12/15/88	ND		10.00	1.000
4-Chloro-3-methylphenol	12/09/88	12/15/88	ND		10.00	1.000
2-Methylnaphthalene	12/09/88	12/15/88	ND		10.00	1.000
Hexachlorocyclopentadiene	12/09/88	12/15/88	ND		10.00	1.000
2,4,6-Trichlorophenol	12/09/88	12/15/88	ND		10.00	1.000
2,4,5-Trichlorophenol	12/09/88	12/15/88	ND		50.00	1.000
2-Chloronaphthalene	12/09/88	12/15/88	ND		10.00	1.000
2-Nitroaniline	12/09/88	12/15/88	ND		50.00	1.000
Dimethyl Phthalate	12/09/88	12/15/88	ND		10.00	1.000
Acenaphthylene	12/09/88	12/15/88	ND		10.00	1.000
2,6-Dinitrotoluene	12/09/88	12/15/88	ND		10.00	1.000
3-Nitroaniline	12/09/88	12/15/88	ND		50.00	1.000
Acenaphthene	12/09/88	12/15/88	ND		10.00	1.000
2,4-Dinitrophenol	12/09/88	12/15/88	ND		50.00	1.000
4-Nitrophenol	12/09/88	12/15/88	ND		50.00	1.000
Dibenzofuran	12/09/88	12/15/88	ND		10.00	1.000
2,4-Dinitrotoluene	12/09/88	12/15/88	ND		10.00	1.000
Diethylphthalate	12/09/88	12/15/88	ND		10.00	1.000
4-Chlorophenyl Phenyl Ether	12/09/88	12/15/88	ND		10.00	1.000
Fluorene	12/09/88	12/15/88	ND		10.00	1.000
4-Nitroaniline	12/09/88	12/15/88	ND		50.00	1.000

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05/16/89

PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	DIL
4,6-Dinitro-2-methylphenol	12/09/88	12/15/88	ND		50.00	1.000
N-nitrosodiphenylamine	12/09/88	12/15/88	ND		10.00	1.000
4-Bromophenyl Phenyl ether	12/09/88	12/15/88	ND		10.00	1.000
Hexachlorobenzene	12/09/88	12/15/88	ND		10.00	1.000
Pentachlorophenol	12/09/88	12/15/88	ND		50.00	1.000
Phenanthrene	12/09/88	12/15/88	ND		10.00	1.000
Anthracene	12/09/88	12/15/88	ND		10.00	1.000
Di-n-butylphthalate	12/09/88	12/15/88	ND		10.00	1.000
Fluoranthene	12/09/88	12/15/88	ND		10.00	1.000
Pyrene	12/09/88	12/15/88	ND		10.00	1.000
Butyl Benzyl Phthalate	12/09/88	12/15/88	ND		10.00	1.000
3,3'-Dichlorobenzidine	12/09/88	12/15/88	ND		20.00	1.000
Benzo(a)anthracene	12/09/88	12/15/88	ND		10.00	1.000
Chrysene	12/09/88	12/15/88	ND		10.00	1.000
bis(2-ethylhexyl)phthalate	12/09/88	12/15/88	ND		10.00	1.000
Di-n-octyl Phthalate	12/09/88	12/15/88	ND		10.00	1.000
Benzo(b)fluoranthene	12/09/88	12/15/88	ND		10.00	1.000
Benzo(k)fluoranthene	12/09/88	12/15/88	ND		10.00	1.000
Benzo(a)pyrene	12/09/88	12/15/88	ND		10.00	1.000

PARAMETER	DATE_EXT	DATE_AMA	CONC.	ERR	DL	DIL
4,6-dinitro-2-ethylphenol	12/07/00	12/14/00	ND		50.00	1.000
2-nitrosodiphenylamine	12/07/00	12/14/00	ND		10.00	1.000
4-bromophenyl Phenyl ether	12/07/00	12/14/00	ND		10.00	1.000
Hexachlorobenzene	12/07/00	12/14/00	ND		10.00	1.000
Pentachlorophenol	12/07/00	12/14/00	ND		50.00	1.000
Phenanthrene	12/07/00	12/14/00	ND		10.00	1.000
Anthracene	12/07/00	12/14/00	ND		10.00	1.000
01-n-butylphthalate	12/07/00	12/14/00	ND		10.00	1.000
Fluoranthene	12/07/00	12/14/00	ND		10.00	1.000
Pyrene	12/07/00	12/14/00	ND		10.00	1.000
Butyl Benzyl Phthalate	12/07/00	12/14/00	ND		10.00	1.000
3,3'-dichlorobenzidine	12/07/00	12/14/00	ND		20.00	1.000
Benzo(e)anthracene	12/07/00	12/14/00	ND		10.00	1.000
Chrysene	12/07/00	12/14/00	ND		10.00	1.000
bis(2-ethylhexyl)phthalate	12/07/00	12/14/00	ND		10.00	1.000
01-n-octyl Phthalate	12/07/00	12/14/00	ND		10.00	1.000
Benzo(b)fluoranthene	12/07/00	12/14/00	ND		10.00	1.000
Benzo(k)fluoranthene	12/07/00	12/14/00	ND		10.00	1.000
Benzo(a)pyrene	12/07/00	12/14/00	ND		10.00	1.000

ENGINEERING SCIENCE 135-07

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CUSTOMER ID: UC-NA/10-01/1-ES

LaTRACE LAB ID: AA22768

SAMPLE DATE: 12/01/00

MATRIX: WATER

CATEGORY: HALOGENATED VOC

METHOD: SM010

UNITS: UG/L

Page No. 1
08/03/00

PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	DIL
BIS(2-CHLOROETHYL) METHANE	NA	12/05/00	ND		0.50	1.000
BIS(2-CHLOROISOPROPYL) ETHER	NA	12/05/00	ND		0.20	1.000
BROMODICHLOROMETHANE	NA	12/05/00	ND		0.10	1.000
BROMOPORN	NA	12/05/00	ND		1.00	1.000
BROMOMETHANE	NA	12/05/00	ND		1.20	1.000
CARBON TETRACHLORIDE	NA	12/05/00	ND		0.40	1.000
CHLOROETHYLENE	NA	12/05/00	ND		1.25	1.000
CHLOROETHANE	NA	12/05/00	ND		0.52	1.000
CHLOROPORN	NA	12/05/00	6.51		0.25	1.000
2-CHLOROETHYL VINYL ETHER	NA	12/05/00	ND		0.13	1.000
CHLOROMETHANE	NA	12/05/00	ND		0.08	1.000
DIBROMOCHLOROMETHANE	NA	12/05/00	ND		0.45	1.000
1,2-DICHLOROETHYLENE	NA	12/05/00	ND		0.75	1.000
1,3-DICHLOROETHYLENE	NA	12/05/00	ND		1.40	1.000
1,4-DICHLOROETHYLENE	NA	12/05/00	ND		1.20	1.000
1,1-DICHLOROETHANE	NA	12/05/00	ND		0.70	1.000
1,2-DICHLOROETHANE	NA	12/05/00	ND		0.15	1.000
1,1-DICHLOROTHENE	NA	12/05/00	ND		0.65	1.000
TRANS-1,2-DICHLOROTHENE	NA	12/05/00	ND		0.50	1.000
DICHLOROMETHANE	NA	12/05/00	ND		1.25	1.000
1,2-DICHLOROPROPANE	NA	12/05/00	ND		0.04	1.000
TRANS-1,3-DICHLOROPROPENE	NA	12/05/00	ND		0.20	1.000
1,1,2,2-TETRACHLOROETHANE	NA	12/05/00	ND		0.15	1.000
TETRACHLOROETHYLENE	NA	12/05/00	ND		0.15	1.000
1,1,1-TRICHLOROETHANE	NA	12/05/00	2.30		0.15	1.000
1,1,2-TRICHLOROETHANE	NA	12/05/00	ND		0.10	1.000
TRICHLOROETHYLENE	NA	12/05/00	ND		0.60	1.000
TRICHLOROFLUOROMETHANE	NA	12/05/00	ND		0.50	1.000
VINYL CHLORIDE	NA	12/05/00	ND		0.10	1.000

ENGINEERING SCIENCE 135-07

V:PARC2.00P

CUSTOMER ID: BC-18/10-02/1-05

etaTRACE LAB ID: AA22768

SAMPLE DATE: 12/01/88

MATRIX: WATER

CATEGORY: PP_METALS

METHOD: EPA 6010

UNITS: UG/L

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08/03/89

PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	DIL
Antimony	NA	12/27/88	ND		60.00	1.000
Arsenic	NA	12/27/88	ND		10.00	1.000
Beryllium	NA	12/27/88	ND		5.00	1.000
Cadmium	NA	12/27/88	ND		5.00	1.000
Chromium	NA	12/27/88	ND		10.00	1.000
Copper	NA	12/27/88	ND		25.00	1.000
Lead	NA	12/21/88	7.00		5.00	1.000
Mercury	NA	12/09/88	0.40		0.20	1.000
Nickel	NA	12/27/88	ND		40.00	1.000
Selenium	NA	12/22/88	ND		5.00	1.000
Silver	NA	12/27/88	ND		10.00	1.000
Thallium	NA	12/21/88	ND		10.00	1.000
Zinc	NA	12/27/88	20.00		20.00	1.000

ENGINEERING SCIENCE 135-07

C:\R-09C.DBF

CUSTOMER ID: SC2-SW1-S1-ES

metaTRACE LAB ID: AA22821

SAMPLE DATE: 12/05/88

MATRIX: WATER

CATEGORY: SEMI-VOLATILES

METHOD: EPA 8270

UNITS: UG/L

Page No. 1

05/16/89

PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	DIL
Phenol	12/09/88	12/15/88	ND		10.00	1.000
bis(2-Chloroethyl) ether	12/09/88	12/15/88	ND		10.00	1.000
2-Chlorophenol	12/09/88	12/15/88	ND		10.00	1.000
1,3-Dichlorobenzene	12/09/88	12/15/88	ND		10.00	1.000
1,4-Dichlorobenzene	12/09/88	12/15/88	ND		10.00	1.000
Benzyl Alcohol	12/09/88	12/15/88	ND		10.00	1.000
1,2-Dichlorobenzene	12/09/88	12/15/88	ND		10.00	1.000
2-Methylphenol	12/09/88	12/15/88	ND		10.00	1.000
bis(2-Chloroisopropyl) ether	12/09/88	12/15/88	ND		10.00	1.000
4-Methylphenol	12/09/88	12/15/88	ND		10.00	1.000
N-Nitroso-Diisopropylamine	12/09/88	12/15/88	ND		10.00	1.000
Hexachloroethane	12/09/88	12/15/88	ND		10.00	1.000
Nitrobenzene	12/09/88	12/15/88	ND		10.00	1.000
Isophorone	12/09/88	12/15/88	ND		10.00	1.000
2-Nitrophenol	12/09/88	12/15/88	ND		50.00	1.000
2,4-Dimethylphenol	12/09/88	12/15/88	ND		10.00	1.000
Benzoic Acid	12/09/88	12/15/88	ND		50.00	1.000
bis(2-Chloroethoxy) methane	12/09/88	12/15/88	ND		10.00	1.000
2,4-Dichlorophenol	12/09/88	12/15/88	ND		10.00	1.000
1,2,4-Trichlorobenzene	12/09/88	12/15/88	ND		10.00	1.000
Naphthalene	12/09/88	12/15/88	ND		10.00	1.000
4-Chloroaniline	12/09/88	12/15/88	ND		10.00	1.000
Hexachlorobutadiene	12/09/88	12/15/88	ND		10.00	1.000
4-Chloro-3-methylphenol	12/09/88	12/15/88	ND		10.00	1.000
2-Methylnaphthalene	12/09/88	12/15/88	ND		10.00	1.000
Hexachlorocyclopentadiene	12/09/88	12/15/88	ND		10.00	1.000
2,4,6-Trichlorophenol	12/09/88	12/15/88	ND		10.00	1.000
2,4,5-Trichlorophenol	12/09/88	12/15/88	ND		50.00	1.000
2-Chloronaphthalene	12/09/88	12/15/88	ND		10.00	1.000
2-Nitroaniline	12/09/88	12/15/88	ND		50.00	1.000
Dimethyl Phthalate	12/09/88	12/15/88	ND		10.00	1.000
Acenaphthylene	12/09/88	12/15/88	ND		10.00	1.000
2,6-Dinitrotoluene	12/09/88	12/15/88	ND		10.00	1.000
3-Nitroaniline	12/09/88	12/15/88	ND		50.00	1.000
Acenaphthene	12/09/88	12/15/88	ND		10.00	1.000
2,4-Dinitrophenol	12/09/88	12/15/88	ND		50.00	1.000
4-Nitrophenol	12/09/88	12/15/88	ND		50.00	1.000
Dibenzofuran	12/09/88	12/15/88	ND		10.00	1.000
2,4-Dinitrotoluene	12/09/88	12/15/88	ND		10.00	1.000
Diethylphthalate	12/09/88	12/15/88	ND		10.00	1.000
4-Chlorophenyl Phenyl Ether	12/09/88	12/15/88	ND		10.00	1.000
Fluorene	12/09/88	12/15/88	ND		10.00	1.000
4-Nitroaniline	12/09/88	12/15/88	ND		50.00	1.000

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05/16/89

PARAMETER	DATE_EXT	DATE_AMA	CONC.	ERR	DL	DIL
4,6-Dinitro-2-methylphenol	12/09/88	12/15/88	ND		50.00	1.000
4-Nitrosodiphenylamine	12/09/88	12/15/88	ND		10.00	1.000
4-Bromophenyl Phenyl ether	12/09/88	12/15/88	ND		10.00	1.000
Hexachlorobenzene	12/09/88	12/15/88	ND		10.00	1.000
Pentachlorophenol	12/09/88	12/15/88	ND		50.00	1.000
Phenanthrene	12/09/88	12/15/88	ND		10.00	1.000
Anthracene	12/09/88	12/15/88	ND		10.00	1.000
Di-n-butylphthalate	12/09/88	12/15/88	ND		10.00	1.000
Fluoranthene	12/09/88	12/15/88	ND		10.00	1.000
Pyrene	12/09/88	12/15/88	ND		10.00	1.000
Butyl Benzyl Phthalate	12/09/88	12/15/88	ND		10.00	1.000
3,3'-Dichlorobenzidine	12/09/88	12/15/88	ND		20.00	1.000
Benzo(a)anthracene	12/09/88	12/15/88	ND		10.00	1.000
Chrysene	12/09/88	12/15/88	ND		10.00	1.000
bis(2-ethylhexyl)phthalate	12/09/88	12/15/88	ND		10.00	1.000
Di-n-octyl Phthalate	12/09/88	12/15/88	ND		10.00	1.000
Benzo(b)fluoranthene	12/09/88	12/15/88	ND		10.00	1.000
Benzo(k)fluoranthene	12/09/88	12/15/88	ND		10.00	1.000
Benzo(a)pyrene	12/09/88	12/15/88	ND		10.00	1.000

ENGINEERING SCIENCE 133-07

C:R-09C.00F

CUSTOMER ID: 002-SW1-S1-ES

metaTRACE LAB ID: AA22821

SAMPLE DATE: 12/05/88

MATRIX: WATER

CATEGORY: HALOGENATED VOA

METHOD: 848010

UNITS: UG/L

Page No. 1

05/16/89

PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	DIL
BIS(2-CHLOROETHOXY) METHANE	NA	12/08/88	ND		0.50	1.000
BIS(2-CHLOROISOPROPYL) ETHER	NA	12/08/88	ND		0.80	1.000
BROMODICHLOROMETHANE	NA	12/08/88	ND		0.10	1.000
BROMOFORM	NA	12/08/88	ND		1.00	1.000
BROMOMETHANE	NA	12/08/88	ND		1.20	1.000
CARBON TETRACHLORIDE	NA	12/08/88	ND		0.60	1.000
CHLOROBENZENE	NA	12/08/88	ND		1.25	1.000
CHLOROETHANE	NA	12/08/88	ND		0.52	1.000
CHLOROFORM	NA	12/08/88	0.18		0.25	1.000
2-CHLOROETHYL VINYL ETHER	NA	12/08/88	ND		0.13	1.000
CHLOROMETHANE	NA	12/08/88	ND		0.08	1.000
DIBROMODICHLOROMETHANE	NA	12/08/88	ND		0.45	1.000
1,2-DICHLOROBENZENE	NA	12/08/88	ND		0.75	1.000
1,3-DICHLOROBENZENE	NA	12/08/88	ND		1.60	1.000
1,4-DICHLOROBENZENE	NA	12/08/88	ND		1.20	1.000
1,1-DICHLOROETHANE	NA	12/08/88	ND		0.70	1.000
1,2-DICHLOROETHANE	NA	12/08/88	ND		0.15	1.000
1,1-DICHLOROETHENE	NA	12/08/88	ND		0.65	1.000
TRANS-1,2-DICHLOROETHENE	NA	12/08/88	0.19		0.50	1.000
DICHLOROMETHANE	NA	12/08/88	ND		1.25	1.000
1,2-DICHLOROPROPANE	NA	12/08/88	ND		0.04	1.000
TRANS-1,3-DICHLOROPROPENE	NA	12/08/88	ND		0.20	1.000
1,1,2,2-TETRACHLOROETHANE	NA	12/08/88	ND		0.15	1.000
TETRACHLOROETHENE	NA	12/08/88	ND		0.15	1.000
1,1,1-TRICHLOROETHANE	NA	12/08/88	1.16		0.15	1.000
1,1,2-TRICHLOROETHANE	NA	12/08/88	ND		0.10	1.000
TRICHLOROETHENE	NA	12/08/88	ND		0.60	1.000
TRICHLOROFLUOROMETHANE	NA	12/08/88	ND		0.50	1.000
VINYL CHLORIDE	NA	12/08/88	ND		0.18	1.000

ENGINEERING SCIENCE 133-07

C:\R-07C.DBF

CUSTOMER ID: SC2-SW1-S1-ES

metaTRACE LAB ID: AA22821

SAMPLE DATE: 12/05/88

MATRIX: WATER

CATEGORY: AROMATIC VOA

METHOD: SUB020

UNITS: UG/L

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PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	DIL
BENZENE	NA	12/08/88	0.45✓	+	0.20	1.000
CHLOROBENZENE	NA	12/08/88	0.21	-	0.20	1.000
1,2-DICHLOROBENZENE	NA	12/08/88	ND		0.40	1.000
1,3-DICHLOROBENZENE	NA	12/08/88	ND		0.40	1.000
1,4-DICHLOROBENZENE	NA	12/08/88	ND		0.30	1.000
ETHYL BENZENE	NA	12/08/88	ND		0.20	1.000
TOLUENE	NA	12/08/88	0.82	-	0.20	1.000
O-XYLENE	NA	12/08/88	0.58	-	0.20	1.000
M-XYLENE	NA	12/08/88	1.79	-	0.20	1.000
P-XYLENE	NA	12/08/88	ND		0.20	1.000

ENGINEERING SCIENCE 135-07
C:\R-09C.DBF
CUSTOMER ID: SC2-SW1-S1-ES
metaTRACE LAB ID: AA22821
SAMPLE DATE: 12/05/88
MATRIX: WATER
CATEGORY: PP_METALS
METHOD: EPA 6010
UNITS: UG/L
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PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	DIL
Antimony	NA	01/30/89	ND		60.00	1.000
Arsenic	NA	01/30/89	ND		10.00	1.000
Beryllium	NA	01/30/89	ND		5.00	1.000
Cadmium	NA	01/30/89	ND		5.00	1.000
Chromium	NA	01/30/89	ND		10.00	1.000
Copper	NA	01/30/89	336.00		25.00	1.000
Lead	NA	01/03/89	14.00		5.00	1.000
Mercury	NA	12/16/88	0.37		0.20	1.000
Nickel	NA	01/30/89	ND		40.00	1.000
Selenium	NA	01/30/89	ND		5.00	1.000
Silver	NA	01/30/89	ND		10.00	1.000
Thallium	NA	01/30/89	ND		10.00	1.000
Zinc	NA	01/30/89	143.40		20.00	1.000

ENGINEERING SCIENCE 135-07

C:R-10.DBF

CUSTOMER ID: SC2-S42-S1-ES

MetaTRACE LAB ID: AA23121

SAMPLE DATE: 12/06/88

MATRIX: WATER

CATEGORY: SEMI-VOLATILES

METHOD: EPA 8270

UNITS: UG/L

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PARAMETER	DATE_EXT	DATE_AMA	CONC.	ERR	DL	DIL
Phenol	12/13/88	12/20/88	ND		10.00	1.000
bis(2-Chloroethyl) ether	12/13/88	12/20/88	ND		10.00	1.000
2-Chlorophenol	12/13/88	12/20/88	ND		10.00	1.000
1,3-Dichlorobenzene	12/13/88	12/20/88	ND		10.00	1.000
1,4-Dichlorobenzene	12/13/88	12/20/88	ND		10.00	1.000
Benzyl Alcohol	12/13/88	12/20/88	ND		10.00	1.000
1,2-Dichlorobenzene	12/13/88	12/20/88	ND		10.00	1.000
2-Methylphenol	12/13/88	12/20/88	ND		10.00	1.000
bis(2-Chloroisopropyl) ether	12/13/88	12/20/88	ND		10.00	1.000
4-Methylphenol	12/13/88	12/20/88	ND		10.00	1.000
N-Nitroso-Diethylamine	12/13/88	12/20/88	ND		10.00	1.000
Hexachloroethane	12/13/88	12/20/88	ND		10.00	1.000
Nitrobenzene	12/13/88	12/20/88	ND		10.00	1.000
Isophorone	12/13/88	12/20/88	ND		10.00	1.000
2-Nitrophenol	12/13/88	12/20/88	ND		50.00	1.000
2,4-Dimethylphenol	12/13/88	12/20/88	ND		10.00	1.000
Benzoic Acid	12/13/88	12/20/88	ND		50.00	1.000
bis(2-Chloroethoxy) methane	12/13/88	12/20/88	ND		10.00	1.000
2,4-Dichlorophenol	12/13/88	12/20/88	ND		10.00	1.000
1,2,4-Trichlorobenzene	12/13/88	12/20/88	ND		10.00	1.000
Naphthalene	12/13/88	12/20/88	84.00	J	10.00	1.000
4-Chloroaniline	12/13/88	12/20/88	ND		10.00	1.000
Hexachlorobutadiene	12/13/88	12/20/88	ND		10.00	1.000
4-Chloro-3-methylphenol	12/13/88	12/20/88	ND		10.00	1.000
2-Methylnaphthalene	12/13/88	12/20/88	210.00	J	50.00	5.000
Hexachlorocyclopentadiene	12/13/88	12/20/88	ND		10.00	1.000
2,4,6-Trichlorophenol	12/13/88	12/20/88	ND		10.00	1.000
2,4,5-Trichlorophenol	12/13/88	12/20/88	ND		50.00	1.000
2-Chloronaphthalene	12/13/88	12/20/88	ND		10.00	1.000
2-Nitroaniline	12/13/88	12/20/88	ND		50.00	1.000
Dimethyl Phthalate	12/13/88	12/20/88	ND		10.00	1.000
Acenaphthylene	12/13/88	12/20/88	ND		10.00	1.000
2,6-Dinitrotoluene	12/13/88	12/20/88	ND		10.00	1.000
3-Nitroaniline	12/13/88	12/20/88	ND		50.00	1.000
Acenaphthene	12/13/88	12/20/88	ND		10.00	1.000
2,4-Dinitrophenol	12/13/88	12/20/88	ND		50.00	1.000
4-Nitrophenol	12/13/88	12/20/88	ND		50.00	1.000
Dibenzofuran	12/13/88	12/20/88	ND		10.00	1.000
2,4-Dinitrotoluene	12/13/88	12/20/88	ND		10.00	1.000
Diethylphthalate	12/13/88	12/20/88	ND		10.00	1.000
4-Chlorophenyl Phenyl Ether	12/13/88	12/20/88	ND		10.00	1.000
Fluorene	12/13/88	12/20/88	17.00	J	10.00	1.000
4-Nitroaniline	12/13/88	12/20/88	ND		50.00	1.000

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PARAMETER	DATE_EXT	DATE_AMA	CONC.	ERR	DL	DIL
4,6-Dinitro-2-methylphenol	12/13/88	12/20/88	ND		50.00	1.000
N-nitrosodiphenylamine	12/13/88	12/20/88	ND		10.00	1.000
4-Bromophenyl Phenyl ether	12/13/88	12/20/88	ND		10.00	1.000
Hexachlorobenzene	12/13/88	12/20/88	ND		10.00	1.000
Pentachlorophenol	12/13/88	12/20/88	ND		50.00	1.000
Phenanthrene	12/13/88	12/20/88	ND		10.00	1.000
Anthracene	12/13/88	12/20/88	ND		10.00	1.000
Di-n-butylphthalate	12/13/88	12/20/88	7.00		10.00	1.000
Fluoranthene	12/13/88	12/20/88	ND		10.00	1.000
Pyrene	12/13/88	12/20/88	ND		10.00	1.000
Butyl Benzyl Phthalate	12/13/88	12/20/88	4.00		10.00	1.000
3,3'-Dichlorobenzidine	12/13/88	12/20/88	ND		20.00	1.000
Benzo(a)anthracene	12/13/88	12/20/88	ND		10.00	1.000
Chrysene	12/13/88	12/20/88	6.00	J	10.00	1.000
bis(2-ethylhexyl)phthalate	12/13/88	12/20/88	150.00	JN	10.00	1.000
Di-n-octyl Phthalate	12/13/88	12/20/88	ND		10.00	1.000
Benzo(b)fluoranthene	12/13/88	12/20/88	ND		10.00	1.000
Benzo(k)fluoranthene	12/13/88	12/20/88	ND		10.00	1.000
Benzo(a)pyrene	12/13/88	12/20/88	5.00	+ R	10.00	1.000

ENGINEERING SCIENCE 135-07

C:R-10.DDF

CUSTOMER ID: BC2-SM2-01-ES

metaTRACE LAB ID: AAZ3121

SAMPLE DATE: 12/06/88

MATRIX: WATER

CATEGORY: HALOGENATED VOA

METHOD: SUB010

UNITS: UG/L

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PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	DIL
BIS(2-CHLOROETHOXY) METHANE	NA	12/12/88	ND		0.50	1.000
BIS(2-CHLOROISOPROPYL) ETHER	NA	12/12/88	ND		0.80	1.000
BROMODICHLOROMETHANE	NA	12/12/88	ND		0.10	1.000
BROMOFORM	NA	12/12/88	ND		1.00	1.000
BROMOMETHANE	NA	12/12/88	ND		1.20	1.000
CARBON TETRACHLORIDE	NA	12/12/88	ND		0.60	1.000
CHLOROBENZENE	NA	12/12/88	ND		1.25	1.000
CHLOROETHANE	NA	12/12/88	ND		0.52	1.000
CHLOROPORN	NA	12/12/88	ND		2.50	10.000
2-CHLOROETHYL VINYL ETHER	NA	12/12/88	3.84	*	0.13	1.000
CHLOROMETHANE	NA	12/12/88	ND		0.80	10.000
DIBROMOCHLOROMETHANE	NA	12/12/88	ND		0.45	1.000
1,2-DICHLOROBENZENE	NA	12/12/88	ND		0.75	1.000
1,3-DICHLOROBENZENE	NA	12/12/88	ND		1.60	1.000
1,4-DICHLOROBENZENE	NA	12/12/88	ND		1.20	1.000
1,1-DICHLOROMETHANE	NA	12/12/88	ND		0.70	1.000
1,2-DICHLOROMETHANE	NA	12/12/88	ND		0.15	1.000
1,1-DICHLOROTHENE	NA	12/12/88	ND		0.65	1.000
TRANS-1,2-DICHLOROTHENE	NA	12/12/88	ND		0.50	1.000
DICHLOROMETHANE	NA	12/12/88	ND		1.25	1.000
1,2-DICHLOROPROPANE	NA	12/12/88	ND		0.04	1.000
TRANS-1,3-DICHLOROPROPENE	NA	12/12/88	0.44		0.20	1.000
1,1,2,2-TETRACHLOROMETHANE	NA	12/12/88	ND		0.15	1.000
TETRACHLOROTHENE	NA	12/12/88	ND		1.50	10.000
1,1,1-TRICHLOROMETHANE	NA	12/12/88	5.49	*	0.15	1.000
1,1,2-TRICHLOROMETHANE	NA	12/12/88	ND		0.10	1.000
TRICHLOROTHENE	NA	12/12/88	ND		0.60	1.000
TRICHLOROFUOROMETHANE	NA	12/12/88	ND		0.50	1.000
VINYL CHLORIDE	NA	12/12/88	ND		0.10	1.000

ENGINEERING SCIENCE 135-07

C:R-10.000

CUSTOMER ID: BC2-9A2-91-ES

metaTRACE LAB ID: AA23121

SAMPLE DATE: 12/06/88

MATRIX: WATER

CATEGORY: AROMATIC VOA

METHOD: SW8020

UNITS: UG/L

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PARAMETER	DATE_EXT	DATE_AMA	CONC.	ERR	DL	DIL
BENZENE	NA	12/12/88	ND		2.00	10.000
CHLOROBENZENE	NA	12/12/88	2.35	-	2.00	10.000
1,2-DICHLOROBENZENE	NA	12/12/88	286.03	-	4.00	10.000
1,3-DICHLOROBENZENE	NA	12/12/88	ND		4.00	10.000
1,4-DICHLOROBENZENE	NA	12/12/88	ND		3.00	10.000
ETHYL BENZENE	NA	12/12/88	2.68	-	2.00	10.000
TOLUENE	NA	12/12/88	3.93	-	2.00	10.000
O-XYLENE	NA	12/12/88	ND		2.00	10.000
M-XYLENE	NA	12/12/88	347.25	-	2.00	10.000
P-XYLENE	NA	12/12/88	ND		2.00	10.000

ENGINEERING SCIENCE 135-07

C:R-10.00P

CUSTOMER ID: BC2-942-S1-ES

metaTRACE LAB ID: AA23121

SAMPLE DATE: 12/06/88

MATRIX: WATER

CATEGORY: PP_METALS

METHOD: EPA 6010

UNITS: UG/L

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PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	DIL
Antimony	NA	01/03/89	ND		60.00	1.000
Arsenic	NA	01/03/89	ND		10.00	1.000
Beryllium	NA	01/03/89	ND		5.00	1.000
Cadmium	NA	01/03/89	ND		5.00	1.000
Chromium	NA	01/03/89	ND		10.00	1.000
Copper	NA	01/03/89	ND		25.00	1.000
Lead	NA	01/03/89	12.20		5.00	1.000
Mercury	NA	12/16/88	0.40		0.20	1.000
Nickel	NA	01/03/89	ND		40.00	1.000
Selenium	NA	01/03/89	ND		5.00	1.000
Silver	NA	01/03/89	ND		10.00	1.000
Thallium	NA	01/17/89	ND		10.00	1.000
Zinc	NA	01/03/89	177.00		20.00	1.000

ENGINEERING SCIENCE 133-07

C:\R-0704A.DBF

CUSTOMER ID: BC-M4-GW1-ES

metaTRACE LAB ID: AA22520

SAMPLE DATE: 11/30/88

MATRIX: WATER

CATEGORY: SEMI-VOLATILES

METHOD: EPA 8270

UNITS: UG/L

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PARAMETER	DATE_EXT	DATE_AMA	CONC.	ERR	DL	DIL
Phenol	12/07/88	12/13/88		ND	10.00	1.000
bis(2-Chloroethyl) ether	12/07/88	12/13/88		ND	10.00	1.000
2-Chlorophenol	12/07/88	12/13/88		ND	10.00	1.000
1,3-Dichlorobenzene	12/07/88	12/13/88		ND	10.00	1.000
1,4-Dichlorobenzene	12/07/88	12/13/88		ND	10.00	1.000
Benzyl Alcohol	12/07/88	12/13/88		ND	10.00	1.000
1,2-Dichlorobenzene	12/07/88	12/13/88		ND	10.00	1.000
2-Methylphenol	12/07/88	12/13/88		ND	10.00	1.000
bis(2-Chloroisopropyl) ether	12/07/88	12/13/88		ND	10.00	1.000
4-Methylphenol	12/07/88	12/13/88		ND	10.00	1.000
N-Nitroso-Dipropylamine	12/07/88	12/13/88		ND	10.00	1.000
Hexachloroethane	12/07/88	12/13/88		ND	10.00	1.000
Nitrobenzene	12/07/88	12/13/88		ND	10.00	1.000
Isophorone	12/07/88	12/13/88		ND	10.00	1.000
2-Nitrophenol	12/07/88	12/13/88		ND	50.00	1.000
2,4-Dimethylphenol	12/07/88	12/13/88		ND	10.00	1.000
Benzoic Acid	12/07/88	12/13/88		ND	50.00	1.000
bis(2-Chloroethoxy) methane	12/07/88	12/13/88		ND	10.00	1.000
2,4-Dichlorophenol	12/07/88	12/13/88		ND	10.00	1.000
1,2,4-Trichlorobenzene	12/07/88	12/13/88		ND	10.00	1.000
Naphthalene	12/07/88	12/13/88		ND	10.00	1.000
4-Chloroaniline	12/07/88	12/13/88		ND	10.00	1.000
Hexachlorobutadiene	12/07/88	12/13/88		ND	10.00	1.000
4-Chloro-3-methylphenol	12/07/88	12/13/88		ND	10.00	1.000
2-Methylnaphthalene	12/07/88	12/13/88		ND	10.00	1.000
Hexachlorocyclopentadiene	12/07/88	12/13/88		ND	10.00	1.000
2,4,6-Trichlorophenol	12/07/88	12/13/88		ND	10.00	1.000
2,4,5-Trichlorophenol	12/07/88	12/13/88		ND	50.00	1.000
2-Chloronaphthalene	12/07/88	12/13/88		ND	10.00	1.000
2-Nitroaniline	12/07/88	12/13/88		ND	50.00	1.000
Dimethyl Phthalate	12/07/88	12/13/88		ND	10.00	1.000
Acenaphthylene	12/07/88	12/13/88		ND	10.00	1.000
2,6-Dinitrotoluene	12/07/88	12/13/88		ND	10.00	1.000
3-Nitroaniline	12/07/88	12/13/88		ND	50.00	1.000
Acenaphthene	12/07/88	12/13/88		ND	10.00	1.000
2,4-Dinitrophenol	12/07/88	12/13/88		ND	50.00	1.000
4-Nitrophenol	12/07/88	12/13/88		ND	50.00	1.000
Dibenzofuran	12/07/88	12/13/88		ND	10.00	1.000
2,4-Dinitrotoluene	12/07/88	12/13/88		ND	10.00	1.000
Diethylphthalate	12/07/88	12/13/88		ND	10.00	1.000
4-Chlorophenyl Phenyl Ether	12/07/88	12/13/88		ND	10.00	1.000
Fluorene	12/07/88	12/13/88		ND	10.00	1.000
4-Nitroaniline	12/07/88	12/13/88		ND	50.00	1.000

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PARAMETER	DATE_EXT	DATE_AMA	CONC.	ERR	DL	DIL
4,6-Dinitro-2-methylphenol	12/07/88	12/13/88		ND	50.00	1.000
N-nitrosodiphenylamine	12/07/88	12/13/88		ND	10.00	1.000
4-Bromophenyl Phenyl ether	12/07/88	12/13/88		ND	10.00	1.000
Hexachlorobenzene	12/07/88	12/13/88		ND	10.00	1.000
Pentachlorophenol	12/07/88	12/13/88		ND	50.00	1.000
Phenanthrene	12/07/88	12/13/88		ND	10.00	1.000
Anthracene	12/07/88	12/13/88		ND	10.00	1.000
Di-n-butylphthalate	12/07/88	12/13/88		ND	10.00	1.000
Fluoranthene	12/07/88	12/13/88		ND	10.00	1.000
Pyrene	12/07/88	12/13/88		ND	10.00	1.000
Butyl Benzyl Phthalate	12/07/88	12/13/88		ND	10.00	1.000
3,3'-Dichlorobenzidine	12/07/88	12/13/88		ND	20.00	1.000
Benzo(a)anthracene	12/07/88	12/13/88		ND	10.00	1.000
Chrysene	12/07/88	12/13/88		ND	10.00	1.000
bis(2-ethylhexyl)phthalate	12/07/88	12/13/88		ND	10.00	1.000
Di-n-octyl Phthalate	12/07/88	12/13/88		ND	10.00	1.000
Benzo(b)fluoranthene	12/07/88	12/13/88		ND	10.00	1.000
Benzo(k)fluoranthene	12/07/88	12/13/88		ND	10.00	1.000
Benzo(a)pyrene	12/07/88	12/13/88		ND	10.00	1.000

ENGINEERING SCIENCE 135-07

C:\R-0706A.DBP

CUSTOMER ID: BC-MM4-GU1-ES

metaTRACE LAB ID: AA22520

SAMPLE DATE: 11/30/88

MATRIX: WATER

CATEGORY: HALOGENATED VOA

METHOD: SUB010

UNITS: UG/L

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PARAMETER	DATE_EXT	DATE_AMA	CONC.	ERR	DL	DIL
BIS(2-CHLOROETHOXY) METHANE	NA	12/05/88	ND		0.50	1.000
BIS(2-CHLOROISOPROPYL) ETHER	NA	12/05/88	ND		0.80	1.000
BROMODICHLOROMETHANE	NA	12/05/88	0.13	-	0.10	1.000
BROMOFORM	NA	12/05/88	ND		1.00	1.000
BROMOMETHANE	NA	12/05/88	ND		1.20	1.000
CARBON TETRACHLORIDE	NA	12/05/88	ND		0.60	1.000
CHLOROBENZENE	NA	12/05/88	ND		1.25	1.000
CHLOROETHANE	NA	12/05/88	ND		0.52	1.000
CHLOROFORM	NA	12/05/88	1.45		0.25	1.000
2-CHLOROETHYL VINYL ETHER	NA	12/05/88	ND		0.13	1.000
CHLOROETHANE	NA	12/05/88	1.10	-	0.08	1.000
DIBROMOCHLOROMETHANE	NA	12/05/88	ND		0.45	1.000
1,2-DICHLOROBENZENE	NA	12/05/88	ND		0.75	1.000
1,3-DICHLOROBENZENE	NA	12/05/88	ND		1.60	1.000
1,4-DICHLOROBENZENE	NA	12/05/88	ND		1.20	1.000
1,1-DICHLOROETHANE	NA	12/05/88	0.12	+	0.70	1.000
1,2-DICHLOROETHANE	NA	12/05/88	ND		0.15	1.000
1,1-DICHLOROETHENE	NA	12/05/88	ND		0.65	1.000
TRANS-1,2-DICHLOROETHENE	NA	12/05/88	ND		0.50	1.000
DICHLOROETHANE	NA	12/05/88	ND		1.25	1.000
1,2-DICHLOROPROPANE	NA	12/05/88	ND		0.04	1.000
TRANS-1,3-DICHLOROPROPENE	NA	12/05/88	ND		0.20	1.000
1,1,2,2-TETRACHLOROETHANE	NA	12/05/88	ND		0.15	1.000
TETRACHLOROETHENE	NA	12/05/88	1.60	-	0.15	1.000
1,1,1-TRICHLOROETHANE	NA	12/05/88	ND		0.10	1.000
1,1,2-TRICHLOROETHANE	NA	12/05/88	2.80	+	0.60	1.000
TRICHLOROETHENE	NA	12/05/88	ND		0.50	1.000
TRICHLOROFLUOROETHANE	NA	12/05/88	ND		0.18	1.000
VINYL CHLORIDE	NA	12/05/88	ND			

ENGINEERING SCIENCE 135-07

C:\R-0706A.DDF

CUSTOMER ID: BC-M44-GW1-ES

metaTRACE LAB ID: AA22520

SAMPLE DATE: 11/30/88

MATRIX: WATER

CATEGORY: AROMATIC VOC

METHOD: SUB020

UNITS: UG/L

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05/16/89

PARAMETER	DATE_EXT	DATE_AMA	CONC.	ERR	DL	DIL
BENZENE	NA	12/05/88	0.32	-	0.20	1.000
CHLOROBENZENE	NA	12/05/88	ND		0.20	1.000
1,2-DICHLOROBENZENE	NA	12/05/88	ND		0.40	1.000
1,3-DICHLOROBENZENE	NA	12/05/88	ND		0.40	1.000
1,4-DICHLOROBENZENE	NA	12/05/88	ND		0.30	1.000
ETHYL BENZENE	NA	12/05/88	ND		0.20	1.000
TOLUENE	NA	12/05/88	0.35	-	0.20	1.000
O-XYLENE	NA	12/05/88	ND		0.20	1.000
M-XYLENE	NA	12/05/88	ND		0.20	1.000
P-XYLENE	NA	12/05/88	ND		0.20	1.000

ENGINEERING SCIENCE 135-07

C:R-0706A.DDF

CUSTOMER ID: BC-MM-0W1-ES

metaTRACE LAB ID: AA22520

SAMPLE DATE: 11/30/88

MATRIX: WATER

CATEGORY: PP_METALS

METHOD: EPA 6010

UNITS: UG/L

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PARAMETER	DATE_EXT	DATE_AMA	CONC.	ERR	DL	DIL
Antimony	NA	12/27/88	ND		60.00	1.000
Arsenic	NA	12/21/88	ND		10.00	1.000
Beryllium	NA	12/27/88	ND		5.00	1.000
Cadmium	NA	12/27/88	ND		5.00	1.000
Chromium	NA	12/27/88	ND		10.00	1.000
Copper	NA	12/27/88	ND		25.00	1.000
Lead	NA	12/21/88	ND		5.00	1.000
Mercury	NA	12/15/88	0.33		0.20	1.000
Nickel	NA	12/27/88	ND		40.00	1.000
Selenium	NA	12/22/88	ND		5.00	1.000
Silver	NA	12/27/88	ND		10.00	1.000
Thallium	NA	12/21/88	ND		10.00	1.000
Zinc	NA	12/27/88	ND		20.00	1.000

ENGINEERING SCIENCE 135-07

C:\R-08A.DBF

CUSTOMER ID: 8C4-MW1-GW1-ES

metaTRACE LAB ID: AA22786

SAMPLE DATE: 12/03/88

MATRIX: WATER

CATEGORY: HALOGENATED VOA

METHOD: SW8010

UNITS: UG/L

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PARAMETER	DATE_EXT	DATE_AMA	CONC.	ERR	DL	DIL
BIS(2-CHLOROETHOXY) METHANE	NA	12/08/88	ND		0.50	1.000
BIS(2-CHLOROISOPROPYL) ETHER	NA	12/08/88	ND		0.80	1.000
BROMODICHLOROMETHANE	NA	12/08/88	ND		0.10	1.000
BROMOFORM	NA	12/08/88	ND		1.00	1.000
BROMOMETHANE	NA	12/08/88	ND		1.20	1.000
CARBON TETRACHLORIDE	NA	12/08/88	ND		0.60	1.000
CHLOROBENZENE	NA	12/08/88	ND		1.25	1.000
CHLOROETHANE	NA	12/08/88	ND		0.52	1.000
CHLOROFORM	NA	12/08/88	0.78		0.25	1.000
2-CHLOROETHYL VINYL ETHER	NA	12/08/88	ND		0.13	1.000
CHLOROMETHANE	NA	12/08/88	0.22		0.08	1.000
DIBROMOCHLOROMETHANE	NA	12/08/88	ND		0.45	1.000
1,2-DICHLOROBENZENE	NA	12/08/88	ND		0.75	1.000
1,3-DICHLOROBENZENE	NA	12/08/88	ND		1.60	1.000
1,4-DICHLOROBENZENE	NA	12/08/88	ND		1.20	1.000
1,1-DICHLOROETHANE	NA	12/08/88	ND		0.70	1.000
1,2-DICHLOROETHANE	NA	12/08/88	ND		0.15	1.000
1,1-DICHLOROETHENE	NA	12/08/88	ND		0.65	1.000
TRANS-1,2-DICHLOROETHENE	NA	12/08/88	ND		0.50	1.000
DICHLOROMETHANE	NA	12/08/88	ND		1.25	1.000
1,2-DICHLOROPROPANE	NA	12/08/88	ND		0.04	1.000
TRANS-1,3-DICHLOROPROPENE	NA	12/08/88	ND		0.20	1.000
1,1,2,2-TETRACHLOROETHANE	NA	12/08/88	ND		0.15	1.000
TETRACHLOROETHENE	NA	12/08/88	ND		0.15	1.000
1,1,1-TRICHLOROETHANE	NA	12/08/88	4.55		0.15	1.000
1,1,2-TRICHLOROETHANE	NA	12/08/88	ND		0.10	1.000
TRICHLOROETHENE	NA	12/08/88	ND		0.60	1.000
TRICHLOROFLUOROMETHANE	NA	12/08/88	ND		0.50	1.000
VINYL CHLORIDE	NA	12/08/88	ND		0.18	1.000

ENGINEERING SCIENCE 135-07

C:\R-08A.D6F

CUSTOMER ID: BC4-MW1-GW1-E5

metaTRACE LAB ID: AA22786

SAMPLE DATE: 12/03/88

MATRIX: WATER

CATEGORY: AROMATIC VOA

METHOD: SW8020

UNITS: UG/L

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05/16/89

PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	DIL
BENZENE	NA	12/08/88	ND		0.20	1.000
CHLOROBENZENE	NA	12/08/88	0.50	-	0.20	1.000
1,2-DICHLOROBENZENE	NA	12/08/88	ND		0.40	1.000
1,3-DICHLOROBENZENE	NA	12/08/88	ND		0.40	1.000
1,4-DICHLOROBENZENE	NA	12/08/88	0.97	-	0.30	1.000
ETHYL BENZENE	NA	12/08/88	ND		0.20	1.000
TOLUENE	NA	12/08/88	2.06	-	0.20	1.000
O-XYLENE	NA	12/08/88	0.88	-	0.20	1.000
M-XYLENE	NA	12/08/88	0.94	-	0.20	1.000
P-XYLENE	NA	12/08/88	ND		0.20	1.000

**FIELD QUALITY CONTROL
SAMPLE DATA**

ENGINEERING SCIENCE 135-07

C:R-02A.D8F

CUSTOMER ID: BC-T83

metaTRACE LAB ID: AA21326

SAMPLE DATE: 11/02/88

MATRIX: WATER

CATEGORY: VOLATILES

METHOD: EPA 8240

UNITS: UG/L

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05/15/89

PARAMETER	DATE_EXT	DATE_AMA	CONC.	ERR	DL	DIL
Chloromethane	NA	11/05/88	ND		10.00	1.000
Bromomethane	NA	11/05/88	ND		10.00	1.000
Vinyl Chloride	NA	11/05/88	ND		10.00	1.000
Chloroethane	NA	11/05/88	ND		10.00	1.000
Methylene Chloride	NA	11/05/88	ND		5.00	1.000
Acetone	NA	11/05/88	ND		10.00	1.000
Carbon Disulfide	NA	11/05/88	ND		5.00	1.000
1,1-Dichloroethane	NA	11/05/88	ND		5.00	1.000
1,1-Dichloroethane	NA	11/05/88	ND		5.00	1.000
1,2-Dichloroethane (total)	NA	11/05/88	ND		5.00	1.000
Chloroform	NA	11/05/88	ND		5.00	1.000
1,2-Dichloroethane	NA	11/05/88	ND		5.00	1.000
2-Butanone	NA	11/05/88	ND		10.00	1.000
1,1,1-Trichloroethane	NA	11/05/88	ND		5.00	1.000
Carbon Tetrachloride	NA	11/05/88	ND		5.00	1.000
Vinyl Acetate	NA	11/05/88	ND		10.00	1.000
Bromodichloromethane	NA	11/05/88	ND		5.00	1.000
1,1,2,2-Tetrachloroethane	NA	11/05/88	ND		5.00	1.000
1,2-Dichloropropane	NA	11/05/88	ND		5.00	1.000
cis-1,3-Dichloropropene	NA	11/05/88	ND		5.00	1.000
Trichloroethane	NA	11/05/88	ND		5.00	1.000
Dibromochloromethane	NA	11/05/88	ND		5.00	1.000
1,1,2-Trichloroethane	NA	11/05/88	ND		5.00	1.000
Benzene	NA	11/05/88	ND		5.00	1.000
trans-1,3-Dichloropropene	NA	11/05/88	ND		5.00	1.000
Bromoform	NA	11/05/88	ND		5.00	1.000
2-Hexanone	NA	11/05/88	ND		10.00	1.000
4-Methyl-2-pentanone	NA	11/05/88	ND		10.00	1.000
Tetrachloroethane	NA	11/05/88	ND		5.00	1.000
Toluene	NA	11/05/88	ND		5.00	1.000
Chlorobenzene	NA	11/05/88	ND		5.00	1.000
Ethyl Benzene	NA	11/05/88	ND		5.00	1.000
Styrene	NA	11/05/88	ND		5.00	1.000
Xylenes (Total)	NA	11/05/88	ND		5.00	1.000

ENGINEERING SCIENCE 135-07

C:\R-02D.DBF

CUSTOMER ID: 8C-T84

metaTRACE LAB ID: AA21343

SAMPLE DATE: 11/02/88

MATRIX: WATER

CATEGORY: VOLATILES

METHOD: EPA 8240

UNITS: UG/L

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PARAMETER	DATE_EXT	DATE_AMA	CONC.	ERR	DL	DIL
Chloromethane	NA	11/09/88	ND		10.00	1.000
Bromomethane	NA	11/09/88	ND		10.00	1.000
Vinyl Chloride	NA	11/09/88	ND		10.00	1.000
Chloroethane	NA	11/09/88	ND		10.00	1.000
Methylene Chloride	NA	11/09/88	17.00	8	5.00	1.000
Acetone	NA	11/09/88	ND		10.00	1.000
Carbon Disulfide	NA	11/09/88	ND		5.00	1.000
1,1-Dichloroethane	NA	11/09/88	ND		5.00	1.000
1,1-Dichloroethane	NA	11/09/88	ND		5.00	1.000
1,2-Dichloroethane (total)	NA	11/09/88	ND		5.00	1.000
Chloroform	NA	11/09/88	ND		5.00	1.000
1,2-Dichloroethane	NA	11/09/88	ND		5.00	1.000
2-Butanone	NA	11/09/88	ND		10.00	1.000
1,1,1-Trichloroethane	NA	11/09/88	ND		5.00	1.000
Carbon Tetrachloride	NA	11/09/88	ND		5.00	1.000
Vinyl Acetate	NA	11/09/88	ND		10.00	1.000
Bromodichloromethane	NA	11/09/88	ND		5.00	1.000
1,1,2,2-Tetrachloroethane	NA	11/09/88	ND		5.00	1.000
1,2-Dichloropropane	NA	11/09/88	ND		5.00	1.000
cis-1,3-Dichloropropane	NA	11/09/88	ND		5.00	1.000
Trichloroethane	NA	11/09/88	ND		5.00	1.000
Dibromochloromethane	NA	11/09/88	ND		5.00	1.000
1,1,2-Trichloroethane	NA	11/09/88	ND		5.00	1.000
Benzene	NA	11/09/88	8.00		5.00	1.000
trans-1,3-Dichloropropane	NA	11/09/88	ND		5.00	1.000
Bromoform	NA	11/09/88	ND		5.00	1.000
2-Hexanone	NA	11/09/88	ND		10.00	1.000
4-Methyl-2-pentanone	NA	11/09/88	ND		10.00	1.000
Tetrachloroethane	NA	11/09/88	ND		5.00	1.000
Toluene	NA	11/09/88	ND		5.00	1.000
Chlorobenzene	NA	11/09/88	ND		5.00	1.000
Ethyl Benzene	NA	11/09/88	ND		5.00	1.000
Styrene	NA	11/09/88	ND		5.00	1.000
Xylenes (Total)	NA	11/09/88	ND		5.00	1.000

ENGINEERING SCIENCE 135-07

C:R-03.DBF

CUSTOMER ID: BC-T85

metaTRACE LAB ID: AA21441

SAMPLE DATE: 11/03/88

MATRIX: WATER

CATEGORY: VOLATILES

METHOD: EPA 8240

UNITS: UG/L

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PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	DIL
Chloromethane	NA	11/07/88	ND		10.00	1.000
Bromomethane	NA	11/07/88	ND		10.00	1.000
Vinyl Chloride	NA	11/07/88	ND		10.00	1.000
Chloroethane	NA	11/07/88	ND		10.00	1.000
Methylene Chloride	NA	11/07/88	8.00	8	5.00	1.000
Acetone	NA	11/07/88	ND		10.00	1.000
Carbon Disulfide	NA	11/07/88	ND		5.00	1.000
1,1-Dichloroethane	NA	11/07/88	ND		5.00	1.000
1,1-Dichloroethane	NA	11/07/88	ND		5.00	1.000
1,2-Dichloroethane (total)	NA	11/07/88	ND		5.00	1.000
Chloroform	NA	11/07/88	ND		5.00	1.000
1,2-Dichloroethane	NA	11/07/88	ND		5.00	1.000
2-Butanone	NA	11/07/88	ND		10.00	1.000
1,1,1-Trichloroethane	NA	11/07/88	ND		5.00	1.000
Carbon Tetrachloride	NA	11/07/88	ND		5.00	1.000
Vinyl Acetate	NA	11/07/88	ND		10.00	1.000
Bromodichloromethane	NA	11/07/88	ND		5.00	1.000
1,1,2,2-Tetrachloroethane	NA	11/07/88	ND		5.00	1.000
1,2-Dichloropropane	NA	11/07/88	ND		5.00	1.000
cis-1,3-Dichloropropane	NA	11/07/88	ND		5.00	1.000
Trichloroethane	NA	11/07/88	ND		5.00	1.000
Dibromochloromethane	NA	11/07/88	ND		5.00	1.000
1,1,2-Trichloroethane	NA	11/07/88	ND		5.00	1.000
Benzene	NA	11/07/88	ND		5.00	1.000
trans-1,3-Dichloropropane	NA	11/07/88	ND		5.00	1.000
Bromoform	NA	11/07/88	ND		5.00	1.000
2-Hexanone	NA	11/07/88	ND		10.00	1.000
4-Methyl-2-pentanone	NA	11/07/88	ND		10.00	1.000
Tetrachloroethane	NA	11/07/88	ND		5.00	1.000
Toluene	NA	11/07/88	ND		5.00	1.000
Chlorobenzene	NA	11/07/88	ND		5.00	1.000
Ethyl Benzene	NA	11/07/88	ND		5.00	1.000
Styrene	NA	11/07/88	ND		5.00	1.000
Xylenes (Total)	NA	11/07/88	ND		5.00	1.000

ENGINEERING SCIENCE 135-07

C:R-038.DBF

CUSTOMER ID: BC-T86

metaTRACE LAB ID: AA21455

SAMPLE DATE: 11/03/88

MATRIX: WATER

CATEGORY: VOLATILES

METHOD: EPA 8240

UNITS: UG/L

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PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	DIL
Chloromethane	NA	11/08/88	ND		10.00	1.000
Bromomethane	NA	11/08/88	ND		10.00	1.000
Vinyl Chloride	NA	11/08/88	ND		10.00	1.000
Chloroethane	NA	11/08/88	ND		10.00	1.000
Methylene Chloride	NA	11/08/88	23.00	8	5.00	1.000
Acetone	NA	11/08/88	ND		10.00	1.000
Carbon Disulfide	NA	11/08/88	ND		5.00	1.000
1,1-Dichloroethane	NA	11/08/88	ND		5.00	1.000
1,1-Dichloroethane	NA	11/08/88	ND		5.00	1.000
1,2-Dichloroethane (total)	NA	11/08/88	ND		5.00	1.000
Chloroform	NA	11/08/88	ND		5.00	1.000
1,2-Dichloroethane	NA	11/08/88	ND		10.00	1.000
2-Butanone	NA	11/08/88	ND		5.00	1.000
1,1,1-Trichloroethane	NA	11/08/88	ND		5.00	1.000
Carbon Tetrachloride	NA	11/08/88	ND		10.00	1.000
Vinyl Acetate	NA	11/08/88	ND		5.00	1.000
Bromodichloromethane	NA	11/08/88	ND		5.00	1.000
1,1,2,2-Tetrachloroethane	NA	11/08/88	ND		5.00	1.000
1,2-Dichloropropane	NA	11/08/88	ND		5.00	1.000
cis-1,3-Dichloropropane	NA	11/08/88	ND		5.00	1.000
Trichloroethane	NA	11/08/88	ND		5.00	1.000
Dibromochloromethane	NA	11/08/88	ND		5.00	1.000
1,1,2-Trichloroethane	NA	11/08/88	ND		5.00	1.000
Benzene	NA	11/08/88	ND		5.00	1.000
trans-1,3-Dichloropropane	NA	11/08/88	ND		5.00	1.000
Bromoform	NA	11/08/88	ND		10.00	1.000
2-Hexanone	NA	11/08/88	ND		10.00	1.000
4-Methyl-2-pentanone	NA	11/08/88	ND		5.00	1.000
Tetrachloroethane	NA	11/08/88	ND		5.00	1.000
Toluene	NA	11/08/88	ND		5.00	1.000
Chlorobenzene	NA	11/08/88	ND		5.00	1.000
Ethyl Benzene	NA	11/08/88	ND		5.00	1.000
Styrene	NA	11/08/88	ND		5.00	1.000
Xylenes (Total)	NA	11/08/88	ND		5.00	1.000

ENGINEERING SCIENCE 135-07

C:\R-04F.DBF

CUSTOMER ID: SCT87

metaTRACE LAB ID: AA21544

SAMPLE DATE: 11/04/88

MATRIX: WATER

CATEGORY: VOLATILES

METHOD: EPA 8240

UNITS: UG/L

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PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	DIL
Chloroethane	NA	11/11/88	ND		10.00	1.000
Bromoethane	NA	11/11/88	ND		10.00	1.000
Vinyl Chloride	NA	11/11/88	ND		10.00	1.000
Chloroethane	NA	11/11/88	ND-		10.00	1.000
Methylene Chloride	NA	11/11/88	8.00	8	5.00	1.000
Acetone	NA	11/11/88	ND		10.00	1.000
Carbon Disulfide	NA	11/11/88	ND		5.00	1.000
1,1-Dichloroethane	NA	11/11/88	ND		5.00	1.000
1,1-Dichloroethane	NA	11/11/88	ND		5.00	1.000
1,2-Dichloroethane (total)	NA	11/11/88	ND		5.00	1.000
Chloroform	NA	11/11/88	ND		5.00	1.000
1,2-Dichloroethane	NA	11/11/88	ND		5.00	1.000
2-Butanone	NA	11/11/88	ND		10.00	1.000
1,1,1-Trichloroethane	NA	11/11/88	ND		5.00	1.000
Carbon Tetrachloride	NA	11/11/88	ND		5.00	1.000
Vinyl Acetate	NA	11/11/88	ND		10.00	1.000
Bromodichloromethane	NA	11/11/88	ND		5.00	1.000
1,1,2,2-Tetrachloroethane	NA	11/11/88	ND		5.00	1.000
1,2-Dichloropropane	NA	11/11/88	ND		5.00	1.000
cis-1,3-Dichloropropane	NA	11/11/88	ND		5.00	1.000
Trichloroethane	NA	11/11/88	ND		5.00	1.000
Dibromochloromethane	NA	11/11/88	ND		5.00	1.000
1,1,2-Trichloroethane	NA	11/11/88	ND		5.00	1.000
Benzene	NA	11/11/88	ND		5.00	1.000
trans-1,3-Dichloropropane	NA	11/11/88	ND		5.00	1.000
Bromoform	NA	11/11/88	ND		5.00	1.000
2-Methanone	NA	11/11/88	ND		10.00	1.000
4-Methyl-2-pentanone	NA	11/11/88	ND		10.00	1.000
Tetrachloroethane	NA	11/11/88	ND		5.00	1.000
Toluene	NA	11/11/88	ND		5.00	1.000
Chlorobenzene	NA	11/11/88	ND		5.00	1.000
Ethyl Benzene	NA	11/11/88	ND		5.00	1.000
Styrene	NA	11/11/88	ND		5.00	1.000
Xylenes (Total)	NA	11/11/88	ND		5.00	1.000

**Volatile Organic Analysis (VOA)
Tentatively Identified Compounds**

metaTRACE, Inc.

Client Id. BC,TB7

Project No. 135-07

Sample Id. AA21544

File Id. J0365

Units ug/kg

	CAS NUMBER	COMPOUND NAME	RT	CONC
1.		NO COMPOUNDS FOUND		
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				

**Concentrations are estimated based
upon a Response Factor of 1**

ENGINEERING SCIENCE 135-07

C:\R-048.DBF

CUSTOMER ID: BC-TBS

metaTRACE LAB ID: AA21535

SAMPLE DATE: 11/04/88

MATRIX: WATER

CATEGORY: VOLATILES

METHOD: EPA 8240

UNITS: UG/L

Page No. 1
05/15/89

PARAMETER	DATE_EXT	DATE_AMA	CONC.	ERR	DL	DIL
Chloromethane	NA	11/11/88	ND		10.00	1.000
Bromomethane	NA	11/11/88	ND		10.00	1.000
Vinyl Chloride	NA	11/11/88	ND		10.00	1.000
Chloroethane	NA	11/11/88	ND		10.00	1.000
Methylene Chloride	NA	11/11/88	9.00	8	5.00	1.000
Acetone	NA	11/11/88	ND		10.00	1.000
Carbon Disulfide	NA	11/11/88	ND		5.00	1.000
1,1-Dichloroethane	NA	11/11/88	ND		5.00	1.000
1,1-Dichloroethane	NA	11/11/88	ND		5.00	1.000
1,2-Dichloroethane (total)	NA	11/11/88	ND		5.00	1.000
Chloroform	NA	11/11/88	ND		5.00	1.000
1,2-Dichloroethane	NA	11/11/88	ND		5.00	1.000
2-Butanone	NA	11/11/88	ND		10.00	1.000
1,1,1-Trichloroethane	NA	11/11/88	ND		5.00	1.000
Carbon Tetrachloride	NA	11/11/88	ND		5.00	1.000
Vinyl Acetate	NA	11/11/88	ND		10.00	1.000
Bromodichloromethane	NA	11/11/88	ND		5.00	1.000
1,1,2,2-Tetrachloroethane	NA	11/11/88	ND		5.00	1.000
1,2-Dichloropropane	NA	11/11/88	ND		5.00	1.000
cis-1,3-Dichloropropane	NA	11/11/88	ND		5.00	1.000
Trichloroethane	NA	11/11/88	ND		5.00	1.000
Dibromochloromethane	NA	11/11/88	ND		5.00	1.000
1,1,2-Trichloroethane	NA	11/11/88	ND		5.00	1.000
Benzene	NA	11/11/88	ND		5.00	1.000
trans-1,3-Dichloropropane	NA	11/11/88	ND		5.00	1.000
Bromoform	NA	11/11/88	ND		5.00	1.000
2-Hexanone	NA	11/11/88	ND		10.00	1.000
4-Methyl-2-pentanone	NA	11/11/88	ND		10.00	1.000
Tetrachloroethane	NA	11/11/88	ND		5.00	1.000
Toluene	NA	11/11/88	190.00		5.00	1.000
Chlorobenzene	NA	11/11/88	ND		5.00	1.000
Ethyl Benzene	NA	11/11/88	18.00		5.00	1.000
Styrene	NA	11/11/88	ND		5.00	1.000
Xylenes (Total)	NA	11/11/88	120.00		5.00	1.000

ENGINEERING SCIENCE 135-07

C:\R-058.DBF

CUSTOMER ID: BCTB9

metaTRACE LAB ID: AA21597

SAMPLE DATE: 11/05/88

MATRIX: WATER

CATEGORY: VOLATILES

METHOD: EPA 624

UNITS: UG/L

Page No. 1
05/15/89

PARAMETER	DATE_EXT	DATE_AMA	CONC.	ERR	DL	DIL
Chloromethane	NA	11/15/88	ND		10.00	1.000
Bromomethane	NA	11/15/88	ND		10.00	1.000
Vinyl Chloride	NA	11/15/88	ND		10.00	1.000
Chloroethane	NA	11/15/88	ND		10.00	1.000
Methylene Chloride	NA	11/15/88	14.00	8	5.00	1.000
Acetone	NA	11/15/88	21.00		10.00	1.000
Carbon Disulfide	NA	11/15/88	ND		5.00	1.000
1,1-Dichloroethane	NA	11/15/88	ND		5.00	1.000
1,1-Dichloroethane	NA	11/15/88	ND		5.00	1.000
1,2-Dichloroethane (total)	NA	11/15/88	ND		5.00	1.000
Chloroform	NA	11/15/88	ND		5.00	1.000
1,2-Dichloroethane	NA	11/15/88	ND		5.00	1.000
2-Butanone	NA	11/15/88	ND		10.00	1.000
1,1,1-Trichloroethane	NA	11/15/88	ND		5.00	1.000
Carbon Tetrachloride	NA	11/15/88	ND		5.00	1.000
Vinyl Acetate	NA	11/15/88	ND		10.00	1.000
Bromodichloromethane	NA	11/15/88	ND		5.00	1.000
1,1,2,2-Tetrachloroethane	NA	11/15/88	ND		5.00	1.000
1,2-Dichloropropene	NA	11/15/88	ND		5.00	1.000
cis-1,3-Dichloropropene	NA	11/15/88	ND		5.00	1.000
Trichloroethene	NA	11/15/88	ND		5.00	1.000
Dibromochloromethane	NA	11/15/88	ND		5.00	1.000
1,1,2-Trichloroethane	NA	11/15/88	ND		5.00	1.000
Benzene	NA	11/15/88	ND		5.00	1.000
trans-1,3-Dichloropropene	NA	11/15/88	ND		5.00	1.000
Bromoform	NA	11/15/88	ND		5.00	1.000
2-Hexanone	NA	11/15/88	ND		10.00	1.000
4-Methyl-2-pentanone	NA	11/15/88	ND		10.00	1.000
Tetrachloroethane	NA	11/15/88	ND		5.00	1.000
Toluene	NA	11/15/88	ND		5.00	1.000
Chlorobenzene	NA	11/15/88	ND		5.00	1.000
Ethyl Benzene	NA	11/15/88	ND		5.00	1.000
Styrene	NA	11/15/88	ND		5.00	1.000
Xylenes (Total)	NA	11/15/88	ND		5.00	1.000

ENGINEERING SCIENCE 135-07

C:\R-07068.DBF

CUSTOMER ID: BC-TB10

metaTRACE LAB ID: AA22522

SAMPLE DATE: 11/30/88

MATRIX: WATER

CATEGORY: HALOGENATED VOC

METHOD: SM8010

UNITS: UG/L

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05/16/89

PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	DIL
BIS(2-CHLOROETHOXY) METHANE	NA	12/05/88	ND		0.50	1.000
BIS(2-CHLORODISOPROPYL) ETHER	NA	12/05/88	ND		0.80	1.000
BROMODICHLOROMETHANE	NA	12/05/88	ND		0.10	1.000
BROMOFORM	NA	12/05/88	ND		1.00	1.000
BROMOMETHANE	NA	12/05/88	ND		1.20	1.000
CARBON TETRACHLORIDE	NA	12/05/88	ND		0.60	1.000
CHLOROBENZENE	NA	12/05/88	ND		1.25	1.000
CHLOROETHANE	NA	12/05/88	0.45		0.52	1.000
CHLOROFORM	NA	12/05/88	ND		0.25	1.000
2-CHLOROETHYL VINYL ETHER	NA	12/05/88	ND		0.13	1.000
CHLOROETHANE	NA	12/05/88	ND		0.08	1.000
DIBROMOCHLOROMETHANE	NA	12/05/88	ND		0.45	1.000
1,2-DICHLOROBENZENE	NA	12/05/88	ND		0.75	1.000
1,3-DICHLOROBENZENE	NA	12/05/88	ND		1.60	1.000
1,4-DICHLOROBENZENE	NA	12/05/88	ND		1.20	1.000
1,1-DICHLOROETHANE	NA	12/05/88	ND		0.70	1.000
1,2-DICHLOROETHANE	NA	12/05/88	ND		0.15	1.000
1,1-DICHLOROETHENE	NA	12/05/88	ND		0.65	1.000
TRANS-1,2-DICHLOROETHENE	NA	12/05/88	ND		0.50	1.000
DICHLOROETHANE	NA	12/05/88	ND		1.25	1.000
1,2-DICHLOROPROPANE	NA	12/05/88	ND		0.04	1.000
TRANS-1,3-DICHLOROPROPENE	NA	12/05/88	ND		0.20	1.000
1,1,2,2-TETRACHLOROETHANE	NA	12/05/88	ND		0.15	1.000
TETRACHLOROETHENE	NA	12/05/88	ND		0.15	1.000
1,1,1-TRICHLOROETHANE	NA	12/05/88	0.25		0.15	1.000
1,1,2-TRICHLOROETHANE	NA	12/05/88	ND		0.10	1.000
TRICHLOROETHENE	NA	12/05/88	ND		0.60	1.000
TRICHLOROFLUOROETHANE	NA	12/05/88	ND		0.50	1.000
VINYL CHLORIDE	NA	12/05/88	ND		0.18	1.000

ENGINEERING SCIENCE 135-07

C:\R-07068.DBP

CUSTOMER ID: SC-TB10

metaTRACE LAB ID: AA22522

SAMPLE DATE: 11/30/88

MATRIX: WATER

CATEGORY: AROMATIC VOA

METHOD: SUB020

UNITS: UG/L

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PARAMETER	DATE_EXT	DATE_AMA	CONC.	ERR	DL	DIL
BENZENE	NA	12/05/88	17.88	-	0.20	1.000
CHLOROBENZENE	NA	12/05/88	ND		0.20	1.000
1,2-DICHLOROBENZENE	NA	12/05/88	ND		0.40	1.000
1,3-DICHLOROBENZENE	NA	12/05/88	ND		0.40	1.000
1,4-DICHLOROBENZENE	NA	12/05/88	ND		0.30	1.000
ETHYL BENZENE	NA	12/05/88	ND		0.20	1.000
TOLUENE	NA	12/05/88	0.25	-	0.20	1.000
O-XYLENE	NA	12/05/88	ND		0.20	1.000
M-XYLENE	NA	12/05/88	ND		0.20	1.000
P-XYLENE	NA	12/05/88	ND		0.20	1.000

ENGINEERING SCIENCE 135-07

C:\R-0707E.DBF

CUSTOMER ID: BCTB11

metaTRACE LAB ID: AA22774

SAMPLE DATE: 12/01/88

MATRIX: WATER

CATEGORY: HALOGENATED VOC

METHOD: SUB010

UNITS: UG/L

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PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	DIL
BIS(2-CHLOROETHOXY) METHANE	NA	12/08/88	ND		0.50	1.000
BIS(2-CHLOROISOPROPYL) ETHER	NA	12/08/88	ND		0.80	1.000
BROMODICHLOROMETHANE	NA	12/08/88	ND		0.10	1.000
BROMOFORM	NA	12/08/88	ND		1.00	1.000
BROMOMETHANE	NA	12/08/88	ND		1.20	1.000
CARBON TETRACHLORIDE	NA	12/08/88	ND		0.60	1.000
CHLOROBENZENE	NA	12/08/88	ND		1.25	1.000
CHLOROETHANE	NA	12/08/88	ND		0.52	1.000
CHLOROFORM	NA	12/08/88	0.92	-	0.25	1.000
2-CHLOROETHYL VINYL ETHER	NA	12/08/88	ND		0.13	1.000
CHLOROMETHANE	NA	12/08/88	0.14	-	0.08	1.000
DIBROMODICHLOROMETHANE	NA	12/08/88	ND		0.45	1.000
1,2-DICHLOROBENZENE	NA	12/08/88	ND		0.75	1.000
1,3-DICHLOROBENZENE	NA	12/08/88	ND		1.60	1.000
1,4-DICHLOROBENZENE	NA	12/08/88	ND		1.20	1.000
1,1-DICHLOROETHANE	NA	12/08/88	ND		0.70	1.000
1,2-DICHLOROETHANE	NA	12/08/88	ND		0.15	1.000
1,1-DICHLOROETHENE	NA	12/08/88	ND		0.65	1.000
TRANS-1,2-DICHLOROETHENE	NA	12/08/88	ND		0.50	1.000
DICHLOROETHANE	NA	12/08/88	ND		1.25	1.000
1,2-DICHLOROPROPANE	NA	12/08/88	ND		0.04	1.000
TRANS-1,3-DICHLOROPROPENE	NA	12/08/88	ND		0.20	1.000
1,1,2,2-TETRACHLOROETHANE	NA	12/08/88	ND		0.15	1.000
TETRACHLOROETHENE	NA	12/08/88	ND		0.15	1.000
1,1,1-TRICHLOROETHANE	NA	12/08/88	5.73	-	0.10	1.000
1,1,2-TRICHLOROETHANE	NA	12/08/88	ND		0.60	1.000
TRICHLOROETHENE	NA	12/08/88	ND		0.50	1.000
TRICHLOROFLUOROMETHANE	NA	12/08/88	ND		0.50	1.000
VINYL CHLORIDE	NA	12/08/88	ND		0.18	1.000

ENGINEERING SCIENCE 135-07

C:\R-0707E.DBF

CUSTOMER ID: BCTB11

metaTRACE LAB ID: AA22774

SAMPLE DATE: 12/01/88

MATRIX: WATER

CATEGORY: AROMATIC VOA

METHOD: SUB020

UNITS: UG/L

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PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	DIL
BENZENE	NA	12/08/88	0.22	-	0.20	1.000
CHLOROBENZENE	NA	12/08/88	0.22	-	0.20	1.000
1,2-DICHLOROBENZENE	NA	12/08/88	0.84	-	0.40	1.000
1,3-DICHLOROBENZENE	NA	12/08/88	ND	-	0.40	1.000
1,4-DICHLOROBENZENE	NA	12/08/88	ND	-	0.30	1.000
ETHYL BENZENE	NA	12/08/88	ND	-	0.20	1.000
TOLUENE	NA	12/08/88	2.68	-	0.20	1.000
O-XYLENE	NA	12/08/88	0.97	-	0.20	1.000
M-XYLENE	NA	12/08/88	1.30	-	0.20	1.000
P-XYLENE	NA	12/08/88	ND	-	0.20	1.000

ENGINEERING SCIENCE 135-07

C:R-0707E.D6F

CUSTOMER ID: BCTB12

metaTRACE LAB ID: AA22775

SAMPLE DATE: 12/02/88

MATRIX: WATER

CATEGORY: HALOGENATED VOA

METHOD: SUB010

UNITS: UG/L

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PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	DIL
BIS(2-CHLOROETHOXY) METHANE	NA	12/08/88	ND		0.50	1.000
BIS(2-CHLOROISOPROPYL) ETHER	NA	12/08/88	ND		0.80	1.000
BROMODICHLOROMETHANE	NA	12/08/88	ND		0.10	1.000
BROMOFORM	NA	12/08/88	ND		1.00	1.000
BROMOMETHANE	NA	12/08/88	ND		1.20	1.000
CARBON TETRACHLORIDE	NA	12/08/88	ND		0.60	1.000
CHLOROBENZENE	NA	12/08/88	ND		1.25	1.000
CHLOROETHANE	NA	12/08/88	ND		0.52	1.000
CHLOROFORM	NA	12/08/88	0.86	-	0.25	1.000
2-CHLOROETHYL VINYL ETHER	NA	12/08/88	ND		0.13	1.000
CHLOROMETHANE	NA	12/08/88	0.40	-	0.08	1.000
DIBROMOCHLOROMETHANE	NA	12/08/88	ND		0.65	1.000
1,2-DICHLOROBENZENE	NA	12/08/88	ND		0.75	1.000
1,3-DICHLOROBENZENE	NA	12/08/88	ND		1.60	1.000
1,4-DICHLOROBENZENE	NA	12/08/88	ND		1.20	1.000
1,1-DICHLOROETHANE	NA	12/08/88	ND		0.70	1.000
1,2-DICHLOROETHANE	NA	12/08/88	ND		0.15	1.000
1,1-DICHLOROETHENE	NA	12/08/88	ND		0.65	1.000
TRANS-1,2-DICHLOROETHENE	NA	12/08/88	ND		0.50	1.000
DICHLOROMETHANE	NA	12/08/88	ND		1.25	1.000
1,2-DICHLOROPROPANE	NA	12/08/88	0.10	-	0.04	1.000
TRANS-1,3-DICHLOROPROPENE	NA	12/08/88	ND		0.20	1.000
1,1,2,2-TETRACHLOROETHANE	NA	12/08/88	ND		0.15	1.000
TETRACHLOROETHENE	NA	12/08/88	ND		0.15	1.000
1,1,1-TRICHLOROETHANE	NA	12/08/88	5.27	-	0.10	1.000
1,1,2-TRICHLOROETHANE	NA	12/08/88	ND		0.60	1.000
TRICHLOROETHENE	NA	12/08/88	ND		0.50	1.000
TRICHLOROFLUOROMETHANE	NA	12/08/88	ND		0.18	1.000
VINYL CHLORIDE	NA	12/08/88	ND			

ENGINEERING SCIENCE 135-07

C:\R-0707E.DBF

CUSTOMER ID: SCT812

metaTRACE LAB ID: AA22775

SAMPLE DATE: 12/02/88

MATRIX: WATER

CATEGORY: AROMATIC VOA

METHOD: SUB020

UNITS: UG/L

Page No. 1
01/07/80

PARAMETER	DATE_EXT	DATE_AMA	CONC.	ERR	DL	DIL
BENZENE	NA	12/08/88	0.28	-	0.20	1.000
CHLOROBENZENE	NA	12/08/88	ND	-	0.20	1.000
1,2-DICHLOROBENZENE	NA	12/08/88	ND	-	0.40	1.000
1,3-DICHLOROBENZENE	NA	12/08/88	ND	-	0.40	1.000
1,4-DICHLOROBENZENE	NA	12/08/88	0.90	-	0.30	1.000
ETHYL BENZENE	NA	12/08/88	ND	-	0.20	1.000
TOLUENE	NA	12/08/88	2.45	-	0.20	1.000
O-XYLENE	NA	12/08/88	0.77	-	0.20	1.000
M-XYLENE	NA	12/08/88	1.11	-	0.20	1.000
P-XYLENE	NA	12/08/88	ND	-	0.20	1.000

ENGINEERING SCIENCE 135-07

C:R-08.D07

CUSTOMER ID: BC-TB13

metaTRACE LAB ID: AA22783

SAMPLE DATE: 12/03/88

MATRIX: WATER

CATEGORY: HALOGENATED VOA

METHOD: SUB010

UNITS: UG/L

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PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	DIL
BIS(2-CHLOROETHOXY) METHANE	NA	12/08/88	ND		0.50	1.000
BIS(2-CHLOROISOPROPYL) ETHER	NA	12/08/88	ND		0.80	1.000
BROMODICHLOROMETHANE	NA	12/08/88	ND		0.10	1.000
BROMOFORM	NA	12/08/88	ND		1.00	1.000
BROMOMETHANE	NA	12/08/88	ND		1.20	1.000
CARBON TETRACHLORIDE	NA	12/08/88	ND		0.60	1.000
CHLOROBENZENE	NA	12/08/88	ND		1.25	1.000
CHLOROETHANE	NA	12/08/88	ND		0.52	1.000
CHLOROFORM	NA	12/08/88	0.81	-	0.25	1.000
2-CHLOROETHYL VINYL ETHER	NA	12/08/88	ND		0.13	1.000
CHLOROMETHANE	NA	12/08/88	0.50	-	0.08	1.000
DIBROMOCHLOROMETHANE	NA	12/08/88	ND		0.45	1.000
1,2-DICHLOROBENZENE	NA	12/08/88	ND		0.75	1.000
1,3-DICHLOROBENZENE	NA	12/08/88	ND		1.60	1.000
1,4-DICHLOROBENZENE	NA	12/08/88	ND		1.20	1.000
1,1-DICHLOROETHANE	NA	12/08/88	ND		0.70	1.000
1,2-DICHLOROETHANE	NA	12/08/88	ND		0.15	1.000
1,1-DICHLOROETHENE	NA	12/08/88	ND		0.65	1.000
TRANS-1,2-DICHLOROETHENE	NA	12/08/88	ND		0.50	1.000
DICHLOROMETHANE	NA	12/08/88	ND		1.25	1.000
1,2-DICHLOROPROPANE	NA	12/08/88	ND		0.04	1.000
TRANS-1,3-DICHLOROPROPENE	NA	12/08/88	ND		0.20	1.000
1,1,2,2-TETRACHLOROETHANE	NA	12/08/88	ND		0.15	1.000
TETRACHLOROETHENE	NA	12/08/88	ND		0.15	1.000
1,1,1-TRICHLOROETHANE	NA	12/08/88	4.46	-	0.15	1.000
1,1,2-TRICHLOROETHANE	NA	12/08/88	ND		0.10	1.000
TRICHLOROETHENE	NA	12/08/88	0.57	-	0.60	1.000
TRICHLOROFLUOROMETHANE	NA	12/08/88	ND		0.50	1.000
VINYL CHLORIDE	NA	12/08/88	0.25	-	0.18	1.000

ENGINEERING SCIENCE 135-07

C:R-08.D8F

CUSTOMER ID: BC-TB13

metaTRACE LAB ID: AA22783

SAMPLE DATE: 12/03/88

MATRIX: WATER

CATEGORY: AROMATIC VOC

METHOD: SUB020

UNITS: UG/L

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05/16/89

PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	DIL
BENZENE	NA	12/08/88	0.43	-	0.20	1.000
CHLOROBENZENE	NA	12/08/88	ND	-	0.20	1.000
1,2-DICHLOROBENZENE	NA	12/08/88	ND	-	0.40	1.000
1,3-DICHLOROBENZENE	NA	12/08/88	ND	-	0.40	1.000
1,4-DICHLOROBENZENE	NA	12/08/88	ND	-	0.30	1.000
ETHYL BENZENE	NA	12/08/88	ND	-	0.20	1.000
TOLUENE	NA	12/08/88	2.11	-	0.20	1.000
O-XYLENE	NA	12/08/88	0.87	-	0.20	1.000
M-XYLENE	NA	12/08/88	0.96	-	0.20	1.000
P-XYLENE	NA	12/08/88	ND	-	0.20	1.000

ENGINEERING SCIENCE 135-07

C:\R-099.D89

CUSTOMER ID: BCTB14

metaTRACE LAB ID: AA22828

SAMPLE DATE: 12/05/88

MATRIX: WATER

CATEGORY: HALOGENATED VOA

METHOD: SUB010

UNITS: UG/L

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05/16/89

PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	DL
BIS(2-CHLOROETHOXY) METHANE	NA	12/08/88	ND		0.30	1.000
BIS(2-CHLOROISOPROPYL) ETHER	NA	12/08/88	ND		0.80	1.000
BROMODICHLOROMETHANE	NA	12/08/88	ND		0.10	1.000
BROMOFORM	NA	12/08/88	ND		1.00	1.000
BROMOMETHANE	NA	12/08/88	ND		1.20	1.000
CARBON TETRACHLORIDE	NA	12/08/88	ND		0.60	1.000
CHLOROBENZENE	NA	12/08/88	ND		1.25	1.000
CHLOROETHANE	NA	12/08/88	ND		0.52	1.000
CHLOROFORM	NA	12/08/88	0.15	-	0.25	1.000
2-CHLOROETHYL VINYL ETHER	NA	12/08/88	ND		0.13	1.000
CHLOROMETHANE	NA	12/08/88	0.57	-	0.08	1.000
DIBROMOCHLOROMETHANE	NA	12/08/88	ND		0.45	1.000
1,2-DICHLOROBENZENE	NA	12/08/88	ND		0.75	1.000
1,3-DICHLOROBENZENE	NA	12/08/88	ND		1.60	1.000
1,4-DICHLOROBENZENE	NA	12/08/88	ND		1.20	1.000
1,1-DICHLOROETHANE	NA	12/08/88	ND		0.70	1.000
1,2-DICHLOROETHANE	NA	12/08/88	ND		0.15	1.000
1,1-DICHLOROETHENE	NA	12/08/88	ND		0.65	1.000
TRANS-1,2-DICHLOROETHENE	NA	12/08/88	ND		0.50	1.000
DICHLOROMETHANE	NA	12/08/88	ND		1.25	1.000
1,2-DICHLOROPROPANE	NA	12/08/88	ND		0.04	1.000
TRANS-1,3-DICHLOROPROPENE	NA	12/08/88	ND		0.20	1.000
1,1,2,2-TETRACHLOROETHANE	NA	12/08/88	ND		0.15	1.000
TETRACHLOROETHENE	NA	12/08/88	ND		0.15	1.000
1,1,1-TRICHLOROETHANE	NA	12/08/88	0.74	-	0.15	1.000
1,1,2-TRICHLOROETHANE	NA	12/08/88	ND		0.10	1.000
TRICHLOROETHENE	NA	12/08/88	0.12	-	0.60	1.000
TRICHLOROFLUOROMETHANE	NA	12/08/88	ND		0.50	1.000
VINYL CHLORIDE	NA	12/08/88	ND		0.18	1.000

ENGINEERING SCIENCE 135-07

C:\R-099.DSF

CUSTOMER ID: BCT814

metaTRACE LAB ID: AA22828

SAMPLE DATE: 12/05/88

MATRIX: WATER

CATEGORY: AROMATIC VOA

METHOD: SUB020

UNITS: UG/L

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05/16/89

PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	DIL
BENZENE	NA	12/08/88	0.94	-	0.20	1.000
CHLOROBENZENE	NA	12/08/88	0.59	-	0.20	1.000
1,2-DICHLOROBENZENE	NA	12/08/88	ND	-	0.40	1.000
1,3-DICHLOROBENZENE	NA	12/08/88	ND	-	0.40	1.000
1,4-DICHLOROBENZENE	NA	12/08/88	ND	-	0.30	1.000
ETHYL BENZENE	NA	12/08/88	1.00	-	0.20	1.000
TOLUENE	NA	12/08/88	1.14	-	0.20	1.000
O-XYLENE	NA	12/08/88	0.76	-	0.20	1.000
M-XYLENE	NA	12/08/88	2.14	-	0.20	1.000
P-XYLENE	NA	12/08/88	ND	-	0.20	1.000

ENGINEERING SCIENCE 135-07

C:\R-OPP.DBF

CUSTOMER ID: BCTB15

metaTRACE LAB ID: AA22829

SAMPLE DATE: 12/05/88

MATRIX: WATER

CATEGORY: HALOGENATED VOA

METHOD: SM8010

UNITS: UG/L

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05/16/89

PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	DIL
BIS(2-CHLOROETHOXY) METHANE	NA	12/08/88	ND		0.50	1.000
BIS(2-CHLOROISOPROPYL) ETHER	NA	12/08/88	ND		0.80	1.000
BROMODICHLOROMETHANE	NA	12/08/88	0.12	-	0.10	1.000
BROMOFORM	NA	12/08/88	0.21	-	1.00	1.000
BROMOMETHANE	NA	12/08/88	ND		1.20	1.000
CARBON TETRACHLORIDE	NA	12/08/88	0.52	-	0.60	1.000
CHLOROBENZENE	NA	12/08/88	0.29	-	1.25	1.000
CHLOROETHANE	NA	12/08/88	ND		0.52	1.000
CHLOROFORM	NA	12/08/88	0.71	-	0.25	1.000
2-CHLOROETHYL VINYL ETHER	NA	12/08/88	ND		0.13	1.000
CHLOROMETHANE	NA	12/08/88	0.49		0.08	1.000
DIBROMODICHLOROMETHANE	NA	12/08/88	ND		0.43	1.000
1,2-DICHLOROBENZENE	NA	12/08/88	ND		0.75	1.000
1,3-DICHLOROBENZENE	NA	12/08/88	ND		1.60	1.000
1,4-DICHLOROBENZENE	NA	12/08/88	ND		1.20	1.000
1,1-DICHLOROETHANE	NA	12/08/88	0.39	-	0.70	1.000
1,2-DICHLOROETHANE	NA	12/08/88	ND		0.15	1.000
1,1-DICHLOROETHENE	NA	12/08/88	0.25	-	0.65	1.000
TRANS-1,2-DICHLOROETHENE	NA	12/08/88	ND		0.50	1.000
DICHLOROETHANE	NA	12/08/88	ND		1.25	1.000
1,2-DICHLOROPROPANE	NA	12/08/88	0.36	-	0.04	1.000
TRANS-1,3-DICHLOROPROPENE	NA	12/08/88	0.61	-	0.20	1.000
1,1,2,2-TETRACHLOROETHANE	NA	12/08/88	ND		0.15	1.000
TETRACHLOROETHENE	NA	12/08/88	0.26	-	0.15	1.000
1,1,1-TRICHLOROETHANE	NA	12/08/88	0.80	-	0.15	1.000
1,1,2-TRICHLOROETHANE	NA	12/08/88	ND		0.10	1.000
TRICHLOROETHENE	NA	12/08/88	0.76	-	0.60	1.000
TRICHLOROFLUOROMETHANE	NA	12/08/88	ND		0.50	1.000
VINYL CHLORIDE	NA	12/08/88	ND		0.18	1.000

ENGINEERING SCIENCE 135-07

C:R-09F.D8F

CUSTOMER ID: SCT815

metaTRACE LAB ID: AA22829

SAMPLE DATE: 12/05/88

MATRIX: WATER

CATEGORY: AROMATIC VOA

METHOD: SUB020

UNITS: UG/L

Page No. 1
05/16/89

PARAMETER	DATE_EXT	DATE_AMA	CONC.	ERR	DL	QIL
BENZENE	NA	12/05/88	0.94	-	0.20	1.000
CHLOROBENZENE	NA	12/05/88	0.59	-	0.20	1.000
1,2-DICHLOROBENZENE	NA	12/05/88	ND		0.40	1.000
1,3-DICHLOROBENZENE	NA	12/05/88	ND		0.40	1.000
1,4-DICHLOROBENZENE	NA	12/05/88	ND		0.30	1.000
ETHYL BENZENE	NA	12/05/88	1.00	-	0.20	1.000
TOLUENE	NA	12/05/88	1.14	-	0.20	1.000
O-XYLENE	NA	12/05/88	0.76	-	0.20	1.000
M-XYLENE	NA	12/05/88	ND		0.20	1.000
P-XYLENE	NA	12/05/88	ND		0.20	1.000

ENGINEERING SCIENCE 135-07

C:\R-09F.DOF

CUSTOMER ID: SCTB16

metaTRACE LAB ID: AA22830

SAMPLE DATE: 12/05/88

MATRIX: WATER

CATEGORY: HALOGENATED VOA

METHOD: SUB010

UNITS: UG/L

Page No. 1

05/16/89

PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	DIL
BIS(2-CHLOROETHOXY) METHANE	NA	12/08/88	ND		0.50	1.000
BIS(2-CHLOROISOPROPYL) ETHER	NA	12/08/88	ND		0.80	1.000
BROMODICHLOROMETHANE	NA	12/08/88	ND		0.10	1.000
BROMOFORM	NA	12/08/88	ND		1.00	1.000
BROMOMETHANE	NA	12/08/88	ND		1.20	1.000
CARBON TETRACHLORIDE	NA	12/08/88	ND		0.60	1.000
CHLOROBENZENE	NA	12/08/88	ND		1.25	1.000
CHLOROETHANE	NA	12/08/88	ND		0.52	1.000
CHLOROFORM	NA	12/08/88	0.21	-	0.25	1.000
2-CHLOROETHYL VINYL ETHER	NA	12/08/88	ND		0.13	1.000
CHLOROETHANE	NA	12/08/88	0.58	-	0.08	1.000
DIBROMOCHLOROMETHANE	NA	12/08/88	ND		0.45	1.000
1,2-DICHLOROBENZENE	NA	12/08/88	ND		0.75	1.000
1,3-DICHLOROBENZENE	NA	12/08/88	ND		1.60	1.000
1,4-DICHLOROBENZENE	NA	12/08/88	ND		1.20	1.000
1,1-DICHLOROETHANE	NA	12/08/88	ND		0.70	1.000
1,2-DICHLOROETHANE	NA	12/08/88	ND		0.15	1.000
1,1-DICHLOROETHENE	NA	12/08/88	ND		0.65	1.000
TRANS-1,2-DICHLOROETHENE	NA	12/08/88	ND		0.50	1.000
DICHLOROETHANE	NA	12/08/88	ND		1.25	1.000
1,2-DICHLOROPROPANE	NA	12/08/88	ND		0.04	1.000
TRANS-1,3-DICHLOROPROPENE	NA	12/08/88	ND		0.20	1.000
1,1,2,2-TETRACHLOROETHANE	NA	12/08/88	ND		0.15	1.000
TETRACHLOROETHENE	NA	12/08/88	ND		0.15	1.000
1,1,1-TRICHLOROETHANE	NA	12/08/88	0.96	-	0.15	1.000
1,1,2-TRICHLOROETHANE	NA	12/08/88	ND		0.10	1.000
TRICHLOROETHENE	NA	12/08/88	ND		0.60	1.000
TRICHLOROFLUOROETHANE	NA	12/08/88	ND		0.50	1.000
VINYL CHLORIDE	NA	12/08/88	ND		0.18	1.000

ENGINEERING SCIENCE 133-07

C:\R-099.DOF

CUSTOMER ID: BCTB16

metaTRACE LAB ID: AA22830

SAMPLE DATE: 12/05/88

MATRIX: WATER

CATEGORY: AROMATIC VOA

METHOD: SW8020

UNITS: UG/L

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05/16/89

PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	DIL
BENZENE	NA	12/08/88	ND		0.20	1.000
CHLOROBENZENE	NA	12/08/88	ND		0.20	1.000
1,2-DICHLOROBENZENE	NA	12/08/88	ND		0.40	1.000
1,3-DICHLOROBENZENE	NA	12/08/88	ND		0.40	1.000
1,4-DICHLOROBENZENE	NA	12/08/88	ND		0.30	1.000
ETHYL BENZENE	NA	12/08/88	ND		0.20	1.000
TOLUENE	NA	12/08/88	0.49		0.20	1.000
O-XYLENE	NA	12/08/88	ND		0.20	1.000
M-XYLENE	NA	12/08/88	ND		0.20	1.000
P-XYLENE	NA	12/08/88	ND		0.20	1.000

ENGINEERING SCIENCE 135-07

C:R-10.08F

CUSTOMER ID: OCTB17

metaTRACE LAB ID: AA23122

SAMPLE DATE: 12/06/88

MATRIX: WATER

CATEGORY: HALOGENATED VOC

METHOD: SUB010

UNITS: UG/L

Page No. 1

05/16/89

PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	DIL
BIS(2-CHLOROETHOXY) METHANE	NA	12/12/88	ND		0.50	1.000
BIS(2-CHLOROISOPROPYL) ETHER	NA	12/12/88	ND		0.80	1.000
BROMODICHLOROMETHANE	NA	12/12/88	ND		0.10	1.000
BROMOFORM	NA	12/12/88	ND		1.00	1.000
BROMOMETHANE	NA	12/12/88	ND		1.20	1.000
CARBON TETRACHLORIDE	NA	12/12/88	0.37	-	0.60	1.000
CHLOROBENZENE	NA	12/12/88	0.62	-	1.25	1.000
CHLOROETHANE	NA	12/12/88	ND		0.52	1.000
CHLOROFORM	NA	12/12/88	0.53	-	0.25	1.000
2-CHLOROETHYL VINYL ETHER	NA	12/12/88	ND		0.13	1.000
CHLOROMETHANE	NA	12/12/88	14.42	-	0.08	1.000
DIBROMOCHLOROMETHANE	NA	12/12/88	ND		0.45	1.000
1,2-DICHLOROBENZENE	NA	12/12/88	ND		0.75	1.000
1,3-DICHLOROBENZENE	NA	12/12/88	ND		1.60	1.000
1,4-DICHLOROBENZENE	NA	12/12/88	ND		1.20	1.000
1,1-DICHLOROETHANE	NA	12/12/88	ND		0.70	1.000
1,2-DICHLOROETHANE	NA	12/12/88	ND		0.15	1.000
1,1-DICHLOROETHENE	NA	12/12/88	ND		0.65	1.000
TRANS-1,2-DICHLOROETHENE	NA	12/12/88	ND		0.50	1.000
DICHLOROETHANE	NA	12/12/88	ND		1.25	1.000
1,2-DICHLOROPROPANE	NA	12/12/88	0.41	-	0.04	1.000
TRANS-1,3-DICHLOROPROPENE	NA	12/12/88	0.61	-	0.20	1.000
1,1,2,2-TETRACHLOROETHANE	NA	12/12/88	ND		0.15	1.000
TETRACHLOROETHENE	NA	12/12/88	0.29	-	0.15	1.000
1,1,1-TRICHLOROETHANE	NA	12/12/88	0.15	-	0.15	1.000
1,1,2-TRICHLOROETHANE	NA	12/12/88	ND		0.10	1.000
TRICHLOROETHENE	NA	12/12/88	1.24	-	0.60	1.000
TRICHLOROFLUOROETHANE	NA	12/12/88	ND		0.50	1.000
VINYL CHLORIDE	NA	12/12/88	ND		0.18	1.000

ENGINEERING SCIENCE 135-07

C:R-10.DBF

CUSTOMER ID: BCTB17

metaTRACE LAB ID: AA23122

SAMPLE DATE: 12/06/88

MATRIX: WATER

CATEGORY: AROMATIC VOA

METHOD: SUB020

UNITS: UG/L

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05/16/89

PARAMETER	DATE_EXT	DATE_AMA	CONC.	ERR	DL	DIL
BENZENE	NA	12/12/88	1.11	-	0.20	1.000
CHLOROBENZENE	NA	12/12/88	1.32	-	0.20	1.000
1,2-DICHLOROBENZENE	NA	12/12/88	ND		0.40	1.000
1,3-DICHLOROBENZENE	NA	12/12/88	ND		0.40	1.000
1,4-DICHLOROBENZENE	NA	12/12/88	ND		0.30	1.000
ETHYL BENZENE	NA	12/12/88	1.35	-	0.20	1.000
TOLUENE	NA	12/12/88	0.64	-	0.20	1.000
O-XYLENE	NA	12/12/88	ND		0.20	1.000
M-XYLENE	NA	12/12/88	92.05	-	0.20	1.000
P-XYLENE	NA	12/12/88	ND		0.20	1.000

ENGINEERING SCIENCE 135-07

C:R-100.08F

CUSTOMER ID: BCTB18

metaTRACE LAB ID: AA23130

SAMPLE DATE: 12/06/88

MATRIX: WATER

CATEGORY: VOLATILES

METHOD: EPA 8240

UNITS: UG/L

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05/16/89

PARAMETER	DATE_EXT	DATE_AMA	CONC.	ERR	DL	DIL
Chloromethane	NA	12/16/88	ND		10.00	1.000
Bromomethane	NA	12/16/88	ND		10.00	1.000
Vinyl Chloride	NA	12/16/88	ND		10.00	1.000
Chloroethane	NA	12/16/88	ND		10.00	1.000
Methylene Chloride	NA	12/16/88	ND		5.00	1.000
Acetone	NA	12/16/88	ND		10.00	1.000
Carbon Disulfide	NA	12/16/88	ND		5.00	1.000
1,1-Dichloroethane	NA	12/16/88	ND		5.00	1.000
1,1-Dichloroethane	NA	12/16/88	ND		5.00	1.000
1,2-Dichloroethane (total)	NA	12/16/88	ND		5.00	1.000
Chloroform	NA	12/16/88	ND		5.00	1.000
1,2-Dichloroethane	NA	12/16/88	ND		5.00	1.000
2-Butanone	NA	12/16/88	ND		10.00	1.000
1,1,1-Trichloroethane	NA	12/16/88	ND		5.00	1.000
Carbon Tetrachloride	NA	12/16/88	ND		5.00	1.000
Vinyl Acetate	NA	12/16/88	ND		10.00	1.000
Bromodichloromethane	NA	12/16/88	ND		5.00	1.000
1,1,2,2-Tetrachloroethane	NA	12/16/88	ND		5.00	1.000
1,2-Dichloropropane	NA	12/16/88	ND		5.00	1.000
cis-1,3-Dichloropropane	NA	12/16/88	ND		5.00	1.000
Trichloroethane	NA	12/16/88	ND		5.00	1.000
Dibromochloromethane	NA	12/16/88	ND		5.00	1.000
1,1,2-Trichloroethane	NA	12/16/88	ND		5.00	1.000
Benzene	NA	12/16/88	ND		5.00	1.000
trans-1,3-Dichloropropane	NA	12/16/88	ND		5.00	1.000
Bromoform	NA	12/16/88	ND		5.00	1.000
2-Hexanone	NA	12/16/88	ND		10.00	1.000
4-Methyl-2-pentanone	NA	12/16/88	ND		10.00	1.000
Tetrachloroethane	NA	12/16/88	ND		5.00	1.000
Toluene	NA	12/16/88	14.00	8	5.00	1.000
Chlorobenzene	NA	12/16/88	ND		5.00	1.000
Ethyl Benzene	NA	12/16/88	ND		5.00	1.000
Styrene	NA	12/16/88	ND		5.00	1.000
Xylenes (Total)	NA	12/16/88	ND		5.00	1.000

ENGINEERING SCIENCE 135-07

C:\R-01A.DBF

CUSTOMER ID: BC5-ER1

metaTRACE LAB ID: AA21362

SAMPLE DATE: 11/01/88

MATRIX: WATER

CATEGORY: PAH

METHOD: EPA 8100

UNITS: UG/ML

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05/15/89

PARAMETER	DATE_EXT	DATE_AMA	CONC.	ERR	DL	DIL
Naphthalene	11/07/88	11/16/88	ND		5.00	1.000
Acenaphthylene	11/07/88	11/16/88	ND		5.00	1.000
Acenaphthene	11/07/88	11/16/88	ND		5.00	1.000
Fluorene	11/07/88	11/16/88	ND		5.00	1.000
Phenanthrene	11/07/88	11/16/88	ND		5.00	1.000
Anthracene	11/07/88	11/16/88	ND		5.00	1.000
Fluoranthene	11/07/88	11/16/88	ND		5.00	1.000
Pyrene	11/07/88	11/16/88	ND		5.00	1.000
Benzo(a)anthracene	11/07/88	11/16/88	ND		5.00	1.000
Chrysene	11/07/88	11/16/88	ND		5.00	1.000
Benzo(b)fluoranthene	11/07/88	11/16/88	ND		5.00	1.000
Benzo(k)fluoranthene	11/07/88	11/16/88	ND		5.00	1.000
Benzo(a)pyrene	11/07/88	11/16/88	ND		5.00	1.000
Indeno(1,2,3-cd)pyrene	11/07/88	11/16/88	ND		5.00	1.000
Dibenz(a,h)anthracene	11/07/88	11/16/88	ND		5.00	1.000
Benzo(g,h,i)perylene	11/07/88	11/16/88	ND		5.00	1.000

ENGINEERING SCIENCE 135-07

C:\R-01.DBF

CUSTOMER ID: BCS-ER1

metaTRACE LAB ID: AA21346

SAMPLE DATE: 11/01/88

MATRIX: WATER

CATEGORY: PP_METALS

METHOD: EPA 6010

UNITS: UG/L

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05/15/89

PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	DIL
Antimony	NA	12/05/88	ND		55.00	1.000
Arsenic	NA	12/05/88	ND		3.00	1.000
Beryllium	NA	12/05/88	ND		5.00	1.000
Cadmium	NA	12/05/88	ND		5.00	1.000
Chromium	NA	12/05/88	9.50		8.00	1.000
Copper	NA	12/05/88	10.10		9.00	1.000
Lead	NA	12/05/88	ND		3.00	1.000
Mercury	NA	11/19/88	0.26		0.20	1.000
Nickel	NA	12/05/88	ND		26.00	1.000
Selenium	NA	12/02/88	ND		2.00	1.000
Silver	NA	12/05/88	ND		7.00	1.000
Thallium	NA	12/02/88	ND		3.00	1.000
Zinc	NA	12/05/88	21.90		6.00	1.000

ENGINEERING SCIENCE 135-07

C:\R-02B.DBF

CUSTOMER ID: BC-ER2

metaTRACE LAB ID: AA21334

SAMPLE DATE: 11/02/88

MATRIX: WATER

CATEGORY: VOLATILES

METHOD: EPA 8240

UNITS: UG/L

Page No. 1
05/15/89

PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	DIL
Chloromethane	NA	11/09/88	ND		10.00	1.000
Bromomethane	NA	11/09/88	ND		10.00	1.000
Vinyl Chloride	NA	11/09/88	ND		10.00	1.000
Chloroethane	NA	11/09/88	ND		10.00	1.000
Methylene Chloride	NA	11/09/88	18.00	8	5.00	1.000
Acetone	NA	11/09/88	10.00	8	10.00	1.000
Carbon Disulfide	NA	11/09/88	ND		5.00	1.000
1,1-Dichloroethane	NA	11/09/88	ND		5.00	1.000
1,1-Dichloroethane	NA	11/09/88	ND		5.00	1.000
1,2-Dichloroethane (total)	NA	11/09/88	ND		5.00	1.000
Chloroform	NA	11/09/88	21.00		5.00	1.000
1,2-Dichloroethane	NA	11/09/88	ND		5.00	1.000
2-Butanone	NA	11/09/88	ND		10.00	1.000
1,1,1-Trichloroethane	NA	11/09/88	ND		5.00	1.000
Carbon Tetrachloride	NA	11/09/88	ND		10.00	1.000
Vinyl Acetate	NA	11/09/88	ND		5.00	1.000
Bromodichloromethane	NA	11/09/88	ND		5.00	1.000
1,1,2,2-Tetrachloroethane	NA	11/09/88	ND		5.00	1.000
1,2-Dichloropropene	NA	11/09/88	ND		5.00	1.000
cis-1,3-Dichloropropene	NA	11/09/88	ND		5.00	1.000
Trichloroethene	NA	11/09/88	ND		5.00	1.000
Dibromochloromethane	NA	11/09/88	ND		5.00	1.000
1,1,2-Trichloroethane	NA	11/09/88	ND		5.00	1.000
Benzene	NA	11/09/88	ND		5.00	1.000
trans-1,3-Dichloropropene	NA	11/09/88	ND		5.00	1.000
Bromoform	NA	11/09/88	ND		10.00	1.000
2-Hexanone	NA	11/09/88	ND		10.00	1.000
4-Methyl-2-pentanone	NA	11/09/88	ND		5.00	1.000
Tetrachloroethane	NA	11/09/88	ND		5.00	1.000
Toluene	NA	11/09/88	ND		5.00	1.000
Chlorobenzene	NA	11/09/88	ND		5.00	1.000
Ethyl Benzene	NA	11/09/88	ND		5.00	1.000
Styrene	NA	11/09/88	ND		5.00	1.000
Xylenes (Total)	NA	11/09/88	ND		5.00	1.000

ENGINEERING SCIENCE 135-07

C:\R-02.DBF

CUSTOMER ID: SC1-ER2

metaTRACE LAB ID: AA21295

SAMPLE DATE: 11/02/88

MATRIX: WATER

CATEGORY: MISC.

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05/15/89

PARAMETER	METHOD	DATE EXT	DATE_AMA	CONC.	UNITS	ERR	DL	DL
Total Petroleum Hydrocarbons	EPA 418.1	NA	11/07/88	12.00	MG/L		2.00	1.000

ENGINEERING SCIENCE 135-07

C:R-05.D8F

CUSTOMER ID: SCERS

metaTRACE LAB ID: AA21593

SAMPLE DATE: 11/05/88

MATRIX: WATER

CATEGORY: SEMI-VOLATILES

METHOD: EPA 8270

UNITS: UG/L

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05/15/89

PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	OIL
Phenol	11/10/88	12/01/88	ND		10.00	1.000
bis(2-Chloroethyl) ether	11/10/88	12/01/88	ND		10.00	1.000
2-Chlorophenol	11/10/88	12/01/88	ND		10.00	1.000
1,3-Dichlorobenzene	11/10/88	12/01/88	ND		10.00	1.000
1,4-Dichlorobenzene	11/10/88	12/01/88	ND		10.00	1.000
Benzyl Alcohol	11/10/88	12/01/88	ND		10.00	1.000
1,2-Dichlorobenzene	11/10/88	12/01/88	ND		10.00	1.000
2-Methylphenol	11/10/88	12/01/88	ND		10.00	1.000
bis(2-Chloroisopropyl) ether	11/10/88	12/01/88	ND		10.00	1.000
4-Methylphenol	11/10/88	12/01/88	ND		10.00	1.000
N-Nitroso-Dipropylamine	11/10/88	12/01/88	ND		10.00	1.000
Hexachloroethane	11/10/88	12/01/88	ND		10.00	1.000
Nitrobenzene	11/10/88	12/01/88	ND		10.00	1.000
Isophorone	11/10/88	12/01/88	ND		50.00	1.000
2-Nitrophenol	11/10/88	12/01/88	ND		10.00	1.000
2,4-Dimethylphenol	11/10/88	12/01/88	ND		50.00	1.000
Benzoic Acid	11/10/88	12/01/88	ND		10.00	1.000
bis(2-Chloroethoxy) methane	11/10/88	12/01/88	ND		10.00	1.000
2,4-Dichlorophenol	11/10/88	12/01/88	ND		10.00	1.000
1,2,4-Trichlorobenzene	11/10/88	12/01/88	ND		10.00	1.000
Naphthalene	11/10/88	12/01/88	ND		10.00	1.000
4-Chloroaniline	11/10/88	12/01/88	ND		10.00	1.000
Hexachlorobutadiene	11/10/88	12/01/88	ND		10.00	1.000
4-Chloro-3-methylphenol	11/10/88	12/01/88	ND		10.00	1.000
2-Methylnaphthalene	11/10/88	12/01/88	ND		10.00	1.000
Hexachlorocyclopentadiene	11/10/88	12/01/88	ND		10.00	1.000
2,4,6-Trichlorophenol	11/10/88	12/01/88	ND		50.00	1.000
2,4,5-Trichlorophenol	11/10/88	12/01/88	ND		10.00	1.000
2-Chloronaphthalene	11/10/88	12/01/88	ND		50.00	1.000
2-Nitroaniline	11/10/88	12/01/88	ND		10.00	1.000
Dimethyl Phthalate	11/10/88	12/01/88	ND		10.00	1.000
Acenaphthylene	11/10/88	12/01/88	ND		10.00	1.000
2,6-Dinitrotoluene	11/10/88	12/01/88	ND		50.00	1.000
3-Nitroaniline	11/10/88	12/01/88	ND		10.00	1.000
Acenaphthene	11/10/88	12/01/88	ND		50.00	1.000
2,4-Dinitrophenol	11/10/88	12/01/88	ND		50.00	1.000
4-Nitrophenol	11/10/88	12/01/88	ND		10.00	1.000
Dibenzofuran	11/10/88	12/01/88	ND		10.00	1.000
2,4-Dinitrotoluene	11/10/88	12/01/88	ND		10.00	1.000
Diethylphthalate	11/10/88	12/01/88	ND		10.00	1.000
4-Chlorophenyl Phenyl Ether	11/10/88	12/01/88	ND		10.00	1.000
Fluorene	11/10/88	12/01/88	ND		50.00	1.000
4-Nitroaniline	11/10/88	12/01/88	ND			

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 05/15/89

PARAMETER	DATE_EXT	DATE_AMA	CONC.	ERR	DL	DIL
4,6-Dinitro-2-methylphenol	11/10/88	12/01/88	ND		50.00	1.000
N-nitrosodiphenylamine	11/10/88	12/01/88	ND		10.00	1.000
4-Bromophenyl Phenyl ether	11/10/88	12/01/88	ND		10.00	1.000
Hexachlorobenzene	11/10/88	12/01/88	ND		10.00	1.000
Pentachlorophenol	11/10/88	12/01/88	ND		50.00	1.000
Phenanthrene	11/10/88	12/01/88	ND		10.00	1.000
Anthracene	11/10/88	12/01/88	ND		10.00	1.000
Di-n-butylphthalate	11/10/88	12/01/88	2.00	J	10.00	1.000
Fluoranthene	11/10/88	12/01/88	ND		10.00	1.000
Pyrene	11/10/88	12/01/88	ND		10.00	1.000
Butyl Benzyl Phthalate	11/10/88	12/01/88	ND		10.00	1.000
3,3'-Dichlorobenzidine	11/10/88	12/01/88	ND		20.00	1.000
Benzo(a)anthracene	11/10/88	12/01/88	ND		10.00	1.000
Chrysene	11/10/88	12/01/88	ND-		10.00	1.000
bis(2-ethylhexyl)phthalate	11/10/88	12/01/88	11.00		10.00	1.000
Di-n-octyl Phthalate	11/10/88	12/01/88	ND		10.00	1.000
Benzo(b)fluoranthene	11/10/88	12/01/88	ND		10.00	1.000
Benzo(k)fluoranthene	11/10/88	12/01/88	ND		10.00	1.000
Benzo(a)pyrene	11/10/88	12/01/88	ND		10.00	1.000
Indeno(1,2,3-cd)pyrene	11/10/88	12/01/88	ND		10.00	1.000
Dibenzo(a,h)anthracene	11/10/88	12/01/88	ND		10.00	1.000
Benzo(g,h,i)perylene	11/10/88	12/01/88	ND		10.00	1.000

ENGINEERING SCIENCE 135-07

C:R-05.007

CUSTOMER ID: SCERS

metaTRACE LAB ID: AA21593

SAMPLE DATE: 11/05/88

MATRIX: WATER

CATEGORY: VOLATILES

METHOD: EPA 8240

UNITS: UG/L

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05/15/89

PARAMETER	DATE_EXT	DATE_AMA	CONC.	ERR	DL	DIL
Chloromethane	NA	11/15/88	ND		10.00	1.000
Bromomethane	NA	11/15/88	ND		10.00	1.000
Vinyl Chloride	NA	11/15/88	ND		10.00	1.000
Chloroethane	NA	11/15/88	ND		10.00	1.000
Methylene Chloride	NA	11/15/88	17.00	8	5.00	1.000
Acetone	NA	11/15/88	ND		10.00	1.000
Carbon Disulfide	NA	11/15/88	ND		5.00	1.000
1,1-Dichloroethane	NA	11/15/88	ND		5.00	1.000
1,1-Dichloroethane	NA	11/15/88	ND		5.00	1.000
1,2-Dichloroethane (total)	NA	11/15/88	ND		5.00	1.000
Chloroform	NA	11/15/88	26.00		5.00	1.000
1,2-Dichloroethane	NA	11/15/88	ND		5.00	1.000
2-Butanone	NA	11/15/88	ND		10.00	1.000
1,1,1-Trichloroethane	NA	11/15/88	ND		5.00	1.000
Carbon Tetrachloride	NA	11/15/88	ND		5.00	1.000
Vinyl Acetate	NA	11/15/88	ND		10.00	1.000
Bromochloromethane	NA	11/15/88	ND		5.00	1.000
1,1,2,2-Tetrachloroethane	NA	11/15/88	ND		5.00	1.000
1,2-Dichloropropane	NA	11/15/88	ND		5.00	1.000
cis-1,3-Dichloropropane	NA	11/15/88	ND		5.00	1.000
Trichloroethane	NA	11/15/88	ND		5.00	1.000
Dibromochloromethane	NA	11/15/88	ND		5.00	1.000
1,1,2-Trichloroethane	NA	11/15/88	ND		5.00	1.000
Benzene	NA	11/15/88	ND		5.00	1.000
trans-1,3-Dichloropropane	NA	11/15/88	ND		5.00	1.000
Bromofore	NA	11/15/88	ND		5.00	1.000
2-Pentanone	NA	11/15/88	ND		10.00	1.000
4-methyl-2-pentanone	NA	11/15/88	ND		10.00	1.000
Tetrachloroethane	NA	11/15/88	ND		5.00	1.000
Toluene	NA	11/15/88	ND		5.00	1.000
Chlorobenzene	NA	11/15/88	ND		5.00	1.000
Ethyl Benzene	NA	11/15/88	ND		5.00	1.000
Styrene	NA	11/15/88	ND		5.00	1.000
Styrene (Total)	NA	11/15/88	ND		5.00	1.000

Volatile Organic Analysis (VOA)
Tentatively Identified Compounds

metaTRACE, Inc.

Client Id.

Project No. 135-07

Sample Id. AA21593

File Id. J0385

Units ug/kg

	CAS NUMBER	COMPOUND NAME	RT	CONC
1.		UNKNOWN	23.57	7J
2.	124185	DECANE	26.52	65J
3.	124185	DECANE	26.79	36J
4.		UNKNOWN	33.24	7J
5.				
6.				
7.				
8.				
9.				
10.				

Concentrations are estimated based
upon a Response Factor of 1

ENGINEERING SCIENCE 135-07

C:R-05.D0F

CUSTOMER ID: SCERS

metaTRACE LAB ID: AA21593

SAMPLE DATE: 11/05/88

MATRIX: WATER

CATEGORY: PP_METALS

METHOD: EPA 6010

UNITS: UG/L

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05/15/89

PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	DIL
Antimony	NA	12/27/88	ND		55.00	1.000
Arsenic	NA	12/21/88	3.05		3.00	1.000
Beryllium	NA	12/27/88	ND		5.00	1.000
Cadmium	NA	12/27/88	ND		5.00	1.000
Chromium	NA	12/27/88	11.30		8.00	1.000
Copper	NA	12/27/88	12.70		9.00	1.000
Lead	NA	12/21/88	5.16		3.00	1.000
Mercury	NA	11/19/88	ND		0.20	1.000
Nickel	NA	12/27/88	ND		26.00	1.000
Selenium	NA	12/22/88	ND		2.00	1.000
Silver	NA	12/27/88	ND		7.00	1.000
Thallium	NA	12/21/88	ND		3.00	1.000
Zinc	NA	12/27/88	10.80		4.00	1.000

ENGINEERING SCIENCE 135-07

C:R-0707B.DBF

CUSTOMER ID: BC-BR1

metaTRACE LAB ID: AA22764

SAMPLE DATE: 12/01/88

MATRIX: WATER

CATEGORY: SEMI-VOLATILES

METHOD: EPA 8270

UNITS: UG/L

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05/16/89

PARAMETER	DATE_EXT	DATE_AMA	CONC.	ERR	DL	DIL
Phenol	12/07/88	12/14/88		ND	10.00	1.000
bis(2-Chloroethyl) ether	12/07/88	12/14/88		ND	10.00	1.000
2-Chlorophenol	12/07/88	12/14/88		ND	10.00	1.000
1,3-Dichlorobenzene	12/07/88	12/14/88		ND	10.00	1.000
1,4-Dichlorobenzene	12/07/88	12/14/88		ND	10.00	1.000
Benzyl Alcohol	12/07/88	12/14/88		ND	10.00	1.000
1,2-Dichlorobenzene	12/07/88	12/14/88		ND	10.00	1.000
2-Methylphenol	12/07/88	12/14/88		ND	10.00	1.000
bis(2-Chloroisopropyl) ether	12/07/88	12/14/88		ND	10.00	1.000
4-Methylphenol	12/07/88	12/14/88		ND	10.00	1.000
N-Nitroso-Dipropylamine	12/07/88	12/14/88		ND	10.00	1.000
Hexachloroethane	12/07/88	12/14/88		ND	10.00	1.000
Nitrobenzene	12/07/88	12/14/88		ND	10.00	1.000
Isophorone	12/07/88	12/14/88		ND	10.00	1.000
2-Nitrophenol	12/07/88	12/14/88		ND	50.00	1.000
2,4-Dimethylphenol	12/07/88	12/14/88		ND	10.00	1.000
Benzoic Acid	12/07/88	12/14/88		ND	50.00	1.000
bis(2-Chloroethoxy) methane	12/07/88	12/14/88		ND	10.00	1.000
2,4-Dichlorophenol	12/07/88	12/14/88		ND	10.00	1.000
1,2,4-Trichlorobenzene	12/07/88	12/14/88		ND	10.00	1.000
Naphthalene	12/07/88	12/14/88		ND	10.00	1.000
4-Chloroaniline	12/07/88	12/14/88		ND	10.00	1.000
Hexachlorobutadiene	12/07/88	12/14/88		ND	10.00	1.000
4-Chloro-3-methylphenol	12/07/88	12/14/88		ND	10.00	1.000
2-Methylnaphthalene	12/07/88	12/14/88		ND	10.00	1.000
Hexachlorocyclopentadiene	12/07/88	12/14/88		ND	10.00	1.000
2,4,6-Trichlorophenol	12/07/88	12/14/88		ND	10.00	1.000
2,4,5-Trichlorophenol	12/07/88	12/14/88		ND	50.00	1.000
2-Chloronaphthalene	12/07/88	12/14/88		ND	10.00	1.000
2-Nitroaniline	12/07/88	12/14/88		ND	50.00	1.000
Dimethyl Phthalate	12/07/88	12/14/88		ND	10.00	1.000
Acenaphthylene	12/07/88	12/14/88		ND	10.00	1.000
2,6-Dinitrotoluene	12/07/88	12/14/88		ND	10.00	1.000
3-Nitroaniline	12/07/88	12/14/88		ND	50.00	1.000
Acenaphthene	12/07/88	12/14/88		ND	10.00	1.000
2,4-Dinitrophenol	12/07/88	12/14/88		ND	50.00	1.000
4-Nitrophenol	12/07/88	12/14/88		ND	50.00	1.000
Thiobenzofuran	12/07/88	12/14/88		ND	10.00	1.000
2,4-Dinitrotoluene	12/07/88	12/14/88		ND	10.00	1.000
Diethylphthalate	12/07/88	12/14/88		ND	10.00	1.000
4-Chlorophenyl Phenyl Ether	12/07/88	12/14/88		ND	10.00	1.000
Fluorene	12/07/88	12/14/88		ND	10.00	1.000
4-Nitroaniline	12/07/88	12/14/88		ND	50.00	1.000

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PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	DIL
4,6-Dinitro-2-methylphenol	12/07/88	12/14/88		ND	50.00	1.000
N-nitrosodiphenylamine	12/07/88	12/14/88		ND	10.00	1.000
4-Bromophenyl Phenyl ether	12/07/88	12/14/88		ND	10.00	1.000
Hexachlorobenzene	12/07/88	12/14/88		ND	10.00	1.000
Pentachlorophenol	12/07/88	12/14/88		ND	50.00	1.000
Phenanthrene	12/07/88	12/14/88		ND	10.00	1.000
Anthracene	12/07/88	12/14/88		ND	10.00	1.000
Di-n-butylphthalate	12/07/88	12/14/88		ND	10.00	1.000
Fluoranthene	12/07/88	12/14/88		ND	10.00	1.000
Pyrene	12/07/88	12/14/88		ND	10.00	1.000
Butyl Benzyl Phthalate	12/07/88	12/14/88		ND	10.00	1.000
3,3'-Dichlorobenzidine	12/07/88	12/14/88		ND	20.00	1.000
Benzo(a)anthracene	12/07/88	12/14/88		ND	10.00	1.000
Chrysene	12/07/88	12/14/88		ND	10.00	1.000
bis(2-ethylhexyl)phthalate	12/07/88	12/14/88		ND	10.00	1.000
Di-n-octyl Phthalate	12/07/88	12/14/88		ND	10.00	1.000
Benzo(b)fluoranthene	12/07/88	12/14/88		ND	10.00	1.000
Benzo(k)fluoranthene	12/07/88	12/14/88		ND	10.00	1.000
Benzo(a)pyrene	12/07/88	12/14/88		ND	10.00	1.000

ENGINEERING SCIENCE 135-07

C:\R-07078.D8F

CUSTOMER ID: SC-0R1

metaTRACE LAB ID: AA22766

SAMPLE DATE: 12/01/88

MATRIX: WATER

CATEGORY: HALOGENATED VOA

METHOD: SUB010

UNITS: UG/L

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05/16/89

PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	DL
BIS(2-CHLOROETHOXY) METHANE	NA	12/05/88	ND		0.50	1.000
BIS(2-CHLOROISOPROPYL) ETHER	NA	12/05/88	ND		0.88	1.000
BROMODICHLOROMETHANE	NA	12/05/88	0.63		0.10	1.000
BROMOFORM	NA	12/05/88	ND		1.00	1.000
BROMOMETHANE	NA	12/05/88	ND		1.20	1.000
CARBON TETRACHLORIDE	NA	12/05/88	ND		0.60	1.000
CHLOROBENZENE	NA	12/05/88	ND		1.25	1.000
CHLOROETHANE	NA	12/05/88	ND		0.52	1.000
CHLOROPROP	NA	12/05/88	23.37		0.25	1.000
2-CHLOROETHYL VINYL ETHER	NA	12/05/88	ND		0.13	1.000
CHLOROMETHANE	NA	12/05/88	1.26		0.08	1.000
DIBROMOCHLOROMETHANE	NA	12/05/88	ND		0.45	1.000
1,2-DICHLOROBENZENE	NA	12/05/88	ND		0.75	1.000
1,3-DICHLOROBENZENE	NA	12/05/88	ND		1.60	1.000
1,4-DICHLOROBENZENE	NA	12/05/88	ND		1.20	1.000
1,1-DICHLOROETHANE	NA	12/05/88	ND		0.70	1.000
1,2-DICHLOROETHANE	NA	12/05/88	ND		0.15	1.000
1,1-DICHLOROTHENE	NA	12/05/88	ND		0.65	1.000
TRANS-1,2-DICHLOROETHENE	NA	12/05/88	ND		0.50	1.000
DICHLOROETHANE	NA	12/05/88	ND		1.25	1.000
1,2-DICHLOROPROPANE	NA	12/05/88	ND		0.06	1.000
TRANS-1,3-DICHLOROPROPENE	NA	12/05/88	ND		0.20	1.000
1,1,2,2-TETRACHLOROETHANE	NA	12/05/88	ND		0.15	1.000
TETRACHLOROETHENE	NA	12/05/88	ND		0.15	1.000
1,1,1-TRICHLOROETHANE	NA	12/05/88	2.06		0.15	1.000
1,1,2-TRICHLOROETHANE	NA	12/05/88	ND		0.10	1.000
TRICHLOROETHENE	NA	12/05/88	ND		0.60	1.000
TRICHLOROFLUOROETHANE	NA	12/05/88	ND		0.30	1.000
VINYL CHLORIDE	NA	12/05/88	ND		0.10	1.000

ENGINEERING SCIENCE 135-07

C:\R-07078.D0F

CUSTOMER ID: BC-BR1

metaTRACE LAB ID: AA22766

SAMPLE DATE: 12/01/88

MATRIX: WATER

CATEGORY: AROMATIC VOC

METHOD: SUB020

UNITS: UG/L

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05/16/89

PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	DIL
BENZENE	NA	12/05/88	ND		0.20	1.000
CHLOROBENZENE	NA	12/05/88	ND		0.20	1.000
1,2-DICHLOROBENZENE	NA	12/05/88	ND		0.40	1.000
1,3-DICHLOROBENZENE	NA	12/05/88	ND		0.40	1.000
1,4-DICHLOROBENZENE	NA	12/05/88	ND		0.30	1.000
ETHYL BENZENE	NA	12/05/88	ND		0.20	1.000
TOLUENE	NA	12/05/88	0.42	-	0.20	1.000
O-XYLENE	NA	12/05/88	0.37	-	0.20	1.000
M-XYLENE	NA	12/05/88	ND		0.20	1.000
P-XYLENE	NA	12/05/88	ND		0.20	1.000

ENGINEERING SCIENCE 135-07

C:\R-07078.DOF

CUSTOMER ID: BC-BR1

metaTRACE LAB ID: AA22766

SAMPLE DATE: 12/01/88

MATRIX: WATER

CATEGORY: PP_METALS

METHOD: EPA 6010

UNITS: UG/L

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05/16/89

PARAMETER	DATE_EXT	DATE_AMA	CONC.	ERR	DL	DIL
Antimony	NA	12/27/88		ND	60.00	1.000
Arsenic	NA	12/21/88		ND	10.00	1.000
Beryllium	NA	12/27/88		ND	5.00	1.000
Cadmium	NA	12/27/88		ND	5.00	1.000
Chromium	NA	12/27/88		ND	10.00	1.000
Copper	NA	12/27/88		ND	25.00	1.000
Lead	NA	12/21/88		ND	5.00	1.000
Mercury	NA	12/09/88	0.55		0.20	1.000
Nickel	NA	12/27/88		ND	40.00	1.000
Selenium	NA	12/22/88		ND	5.00	1.000
Silver	NA	12/27/88		ND	10.00	1.000
Thallium	NA	12/21/88		ND	10.00	1.000
Zinc	NA	12/27/88		ND	20.00	1.000

ENGINEERING SCIENCE 135-07

C:\E-08.DSF

CUSTOMER ID: SC-883

metaTRACE LAB ID: AA22784

SAMPLE DATE: 12/03/88

MATRIX: WATER

CATEGORY: SEMI-VOLATILES

METHOD: EPA 8270

UNITS: UG/L

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05/16/89

PARAMETER	DATE_EXT	DATE_AMA	CONC.	ERR	DL	OIL
Phenol	12/07/88	12/13/88	ND		10.00	1.000
bis(2-Chloroethyl) ether	12/07/88	12/13/88	ND		10.00	1.000
2-Chlorophenol	12/07/88	12/13/88	ND		10.00	1.000
1,3-Dichlorobenzene	12/07/88	12/13/88	ND		10.00	1.000
1,4-Dichlorobenzene	12/07/88	12/13/88	ND		10.00	1.000
Benzyl Alcohol	12/07/88	12/13/88	ND		10.00	1.000
1,2-Dichlorobenzene	12/07/88	12/13/88	ND		10.00	1.000
2-Methylphenol	12/07/88	12/13/88	ND		10.00	1.000
bis(2-Chloroisopropyl) ether	12/07/88	12/13/88	ND		10.00	1.000
4-Methylphenol	12/07/88	12/13/88	ND		10.00	1.000
N-Nitroso-Dipropylamine	12/07/88	12/13/88	ND		10.00	1.000
Hexachlorocyclohexane	12/07/88	12/13/88	ND		10.00	1.000
Nitrobenzene	12/07/88	12/13/88	ND		10.00	1.000
Isophorone	12/07/88	12/13/88	ND		10.00	1.000
2-Nitrophenol	12/07/88	12/13/88	ND		50.00	1.000
2,4-Dimethylphenol	12/07/88	12/13/88	ND		10.00	1.000
Benzoic Acid	12/07/88	12/13/88	ND		50.00	1.000
bis(2-Chloroethoxy) methane	12/07/88	12/13/88	ND		10.00	1.000
2,4-Dichlorophenol	12/07/88	12/13/88	ND		10.00	1.000
1,2,4-Trichlorobenzene	12/07/88	12/13/88	ND		10.00	1.000
Naphthalene	12/07/88	12/13/88	ND		10.00	1.000
4-Chloroaniline	12/07/88	12/13/88	ND		10.00	1.000
Hexachlorobutadiene	12/07/88	12/13/88	ND		10.00	1.000
4-Chloro-3-methylphenol	12/07/88	12/13/88	ND		10.00	1.000
2-Methylnaphthalene	12/07/88	12/13/88	ND		10.00	1.000
Hexachlorocyclopentadiene	12/07/88	12/13/88	ND		10.00	1.000
2,4,6-Trichlorophenol	12/07/88	12/13/88	ND		10.00	1.000
2,4,5-Trichlorophenol	12/07/88	12/13/88	ND		50.00	1.000
2-Chloronaphthalene	12/07/88	12/13/88	ND		10.00	1.000
2-Nitroaniline	12/07/88	12/13/88	ND		50.00	1.000
Bisethyl Phthalate	12/07/88	12/13/88	ND		10.00	1.000
Acetophenone	12/07/88	12/13/88	ND		10.00	1.000
2,6-Dinitroaniline	12/07/88	12/13/88	ND		10.00	1.000
3-Nitroaniline	12/07/88	12/13/88	ND		50.00	1.000
Acetophenone	12/07/88	12/13/88	ND		10.00	1.000
2,4-Di-Nitrophenol	12/07/88	12/13/88	ND		50.00	1.000
4-Nitrophenol	12/07/88	12/13/88	ND		10.00	1.000
Benzofuran	12/07/88	12/13/88	ND		10.00	1.000
2,6-Dinitroaniline	12/07/88	12/13/88	ND		10.00	1.000
Bisethylphthalate	12/07/88	12/13/88	ND		10.00	1.000
4-Chlorophenyl Phenyl Ether	12/07/88	12/13/88	ND		10.00	1.000
Fluorene	12/07/88	12/13/88	ND		10.00	1.000
4-Nitroaniline	12/07/88	12/13/88	ND		50.00	1.000

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05/16/89

PARAMETER	DATE_EXT	DATE_AMA	CONC.	ERR	DL	DIL
4,6-Dinitro-2-methylphenol	12/07/88	12/13/88	ND		50.00	1.000
4-nitroodiphenylamine	12/07/88	12/13/88	ND		10.00	1.000
4-Bromophenyl Phenyl ether	12/07/88	12/13/88	ND		10.00	1.000
Hexachlorobenzene	12/07/88	12/13/88	ND		10.00	1.000
Pentachlorophenol	12/07/88	12/13/88	ND		50.00	1.000
Phenanthrene	12/07/88	12/13/88	ND		10.00	1.000
Anthracene	12/07/88	12/13/88	ND		10.00	1.000
Di-n-butylphthalate	12/07/88	12/13/88	ND		10.00	1.000
Fluoranthene	12/07/88	12/13/88	ND		10.00	1.000
Pyrene	12/07/88	12/13/88	ND		10.00	1.000
Butyl Benzyl Phthalate	12/07/88	12/13/88	ND		10.00	1.000
3,3'-Dichlorobenzidine	12/07/88	12/13/88	ND		20.00	1.000
Benzo(a)anthracene	12/07/88	12/13/88	ND		10.00	1.000
Chrysene	12/07/88	12/13/88	ND		10.00	1.000
bis(2-ethylhexyl)phthalate	12/07/88	12/13/88	ND		10.00	1.000
Di-n-octyl Phthalate	12/07/88	12/13/88	ND		10.00	1.000
Benzo(b)fluoranthene	12/07/88	12/13/88	ND		10.00	1.000
Benzo(k)fluoranthene	12/07/88	12/13/88	ND		10.00	1.000
Benzo(a)pyrene	12/07/88	12/13/88	ND		10.00	1.000

ENGINEERING SCIENCE 135-07

C:\R-08.D0F

CUSTOMER ID: BC-BAS

metaTRACE LAB ID: AA22784

SAMPLE DATE: 12/03/88

MATRIX: WATER

CATEGORY: HALOGENATED VOA

METHOD: SM8010

UNITS: UG/L

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05/16/89

PARAMETER	DATE_EXT	DATE_AMA	CONC.	ERR	DL	DIL
BIS(2-CHLOROETHOXY) METHANE	NA	12/08/88	ND		0.50	1.000
BIS(2-CHLOROISOPROPYL) ETHER	NA	12/08/88	ND		0.80	1.000
BROMODICHLOROMETHANE	NA	12/08/88	0.53	-	0.10	1.000
BROMOFORM	NA	12/08/88	0.33	-	1.00	1.000
BROMOMETHANE	NA	12/08/88	ND		1.20	1.000
CARBON TETRACHLORIDE	NA	12/08/88	0.62	-	0.60	1.000
CHLOROBENZENE	NA	12/08/88	0.42	-	1.25	1.000
CHLOROETHANE	NA	12/08/88	ND		0.52	1.000
CHLOROFORM	NA	12/08/88	19.75	+	0.25	1.000
2-CHLOROETHYL VINYL ETHER	NA	12/08/88	ND		0.13	1.000
CHLOROMETHANE	NA	12/08/88	1.50	-	0.08	1.000
DIBROMOCHLOROMETHANE	NA	12/08/88	ND		0.45	1.000
1,2-DICHLOROBENZENE	NA	12/08/88	ND		0.75	1.000
1,3-DICHLOROBENZENE	NA	12/08/88	ND		1.60	1.000
1,4-DICHLOROBENZENE	NA	12/08/88	ND		1.20	1.000
1,1-DICHLOROETHANE	NA	12/08/88	0.59	-	0.70	1.000
1,2-DICHLOROETHANE	NA	12/08/88	ND		0.15	1.000
1,1-DICHLOROETHENE	NA	12/08/88	0.32	-	0.65	1.000
TRANS-1,2-DICHLOROETHENE	NA	12/08/88	ND		0.50	1.000
DICHLOROETHANE	NA	12/08/88	ND		1.25	1.000
1,2-DICHLOROPROPANE	NA	12/08/88	0.59	-	0.04	1.000
TRANS-1,3-DICHLOROPROPENE	NA	12/08/88	0.80	+	0.20	1.000
1,1,2,2-TETRACHLOROETHANE	NA	12/08/88	ND		0.15	1.000
TETRACHLOROETHENE	NA	12/08/88	0.19	-	0.15	1.000
1,1,1-TRICHLOROETHANE	NA	12/08/88	4.29	-	0.15	1.000
1,1,2-TRICHLOROETHANE	NA	12/08/88	ND		0.10	1.000
TRICHLOROETHENE	NA	12/08/88	0.76	-	0.60	1.000
TRICHLOROFLUOROMETHANE	NA	12/08/88	ND		0.50	1.000
VINYL CHLORIDE	NA	12/08/88	ND		0.10	1.000

ENGINEERING SCIENCE 135-07

C:\R-08.DBF

CUSTOMER ID: BC-843

metaTRACE LAB ID: AA22784

SAMPLE DATE: 12/03/88

MATRIX: WATER

CATEGORY: AROMATIC VOA

METHOD: SUB020

UNITS: UG/L

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05/16/89

PARAMETER	DATE_EXT	DATE_AMA	CONC.	ERR	DL	DIL
BENZENE	NA	12/08/88	1.47	-	0.20	1.000
CHLOROBENZENE	NA	12/08/88	1.32	-	0.20	1.000
1,2-DICHLOROBENZENE	NA	12/08/88	ND	-	0.40	1.000
1,3-DICHLOROBENZENE	NA	12/08/88	ND	-	0.40	1.000
1,4-DICHLOROBENZENE	NA	12/08/88	ND	-	0.30	1.000
ETHYL BENZENE	NA	12/08/88	1.61	-	0.20	1.000
TOLUENE	NA	12/08/88	3.00	-	0.20	1.000
O-XYLENE	NA	12/08/88	1.42	-	0.20	1.000
M-XYLENE	NA	12/08/88	4.10	-	0.20	1.000
P-XYLENE	NA	12/08/88	ND	-	0.20	1.000

ENGINEERING SCIENCE 135-07

C:\R-08.D8F

CUSTOMER ID: BC-BR3

metaTRACE LAB ID: AA22784

SAMPLE DATE: 12/03/88

MATRIX: WATER

CATEGORY: PP_METALS

METHOD: EPA 6010

UNITS: UG/L

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05/16/89

PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	DIL
Antimony	NA	12/27/89	ND		60.00	1.000
Arsenic	NA	01/03/89	ND		10.00	1.000
Beryllium	NA	12/27/88	ND		5.00	1.000
Cadmium	NA	12/27/88	ND		5.00	1.000
Chromium	NA	12/27/88	ND		10.00	1.000
Copper	NA	12/27/88	ND		25.00	1.000
Lead	NA	12/21/88	8.62		5.00	1.000
Mercury	NA	12/12/88	0.38		0.20	1.000
Nickel	NA	12/27/88	ND		40.00	1.000
Selenium	NA	12/22/88	ND		5.00	1.000
Silver	NA	12/27/88	ND		10.00	1.000
Thallium	NA	12/21/88	ND		10.00	1.000
Zinc	NA	12/27/88	36.30		20.00	1.000

ENGINEERING SCIENCE 135-07

C:\R-09E.D08

CUSTOMER ID: BCBRS

metaTRACE LAB ID: AA22825

SAMPLE DATE: 12/05/88

MATRIX: WATER

CATEGORY: SEMI-VOLATILES

METHOD: EPA 8270

UNITS: UG/L

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05/16/89

PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	DIL
Phenol	12/09/88	12/23/88	ND		10.00	1.000
bis(2-Chloroethyl) ether	12/09/88	12/23/88	ND		10.00	1.000
2-Chlorophenol	12/09/88	12/23/88	ND		10.00	1.000
1,3-Dichlorobenzene	12/09/88	12/23/88	ND		10.00	1.000
1,4-Dichlorobenzene	12/09/88	12/23/88	ND		10.00	1.000
Benzyl Alcohol	12/09/88	12/23/88	ND		10.00	1.000
1,2-Dichlorobenzene	12/09/88	12/23/88	ND		10.00	1.000
2-Methylphenol	12/09/88	12/23/88	ND		10.00	1.000
bis(2-Chloroisopropyl) ether	12/09/88	12/23/88	ND		10.00	1.000
4-Methylphenol	12/09/88	12/23/88	ND		10.00	1.000
N-Nitroso-Dipropylamine	12/09/88	12/23/88	ND		10.00	1.000
Hexachloroethane	12/09/88	12/23/88	ND		10.00	1.000
Nitrobenzene	12/09/88	12/23/88	ND		10.00	1.000
Isophorone	12/09/88	12/23/88	ND		10.00	1.000
2-Nitrophenol	12/09/88	12/23/88	ND		50.00	1.000
2,4-Dimethylphenol	12/09/88	12/23/88	ND		10.00	1.000
Benzoic Acid	12/09/88	12/23/88	ND		50.00	1.000
bis(2-Chloroethoxy) methane	12/09/88	12/23/88	ND		10.00	1.000
2,4-Dichlorophenol	12/09/88	12/23/88	ND		10.00	1.000
1,2,4-Trichlorobenzene	12/09/88	12/23/88	ND		10.00	1.000
Naphthalene	12/09/88	12/23/88	ND		10.00	1.000
4-Chloroaniline	12/09/88	12/23/88	ND		10.00	1.000
Hexachlorobutadiene	12/09/88	12/23/88	ND		10.00	1.000
4-Chloro-3-methylphenol	12/09/88	12/23/88	ND		10.00	1.000
2-Methylnaphthalene	12/09/88	12/23/88	ND		10.00	1.000
Hexachlorocyclopentadiene	12/09/88	12/23/88	ND		10.00	1.000
2,4,6-Trichlorophenol	12/09/88	12/23/88	ND		10.00	1.000
2,4,5-Trichlorophenol	12/09/88	12/23/88	ND		50.00	1.000
2-Chloronaphthalene	12/09/88	12/23/88	ND		10.00	1.000
2-Nitroaniline	12/09/88	12/23/88	ND		50.00	1.000
Dimethyl Phthalate	12/09/88	12/23/88	ND		10.00	1.000
Acenaphthylene	12/09/88	12/23/88	ND		10.00	1.000
2,4-Dinitrotoluene	12/09/88	12/23/88	ND		10.00	1.000
3-Nitroaniline	12/09/88	12/23/88	ND		50.00	1.000
Acenaphthene	12/09/88	12/23/88	ND		10.00	1.000
2,4-Dinitrophenol	12/09/88	12/23/88	ND		50.00	1.000
4-Nitrophenol	12/09/88	12/23/88	ND		50.00	1.000
Dibenzofuran	12/09/88	12/23/88	ND		10.00	1.000
2,4-Dinitrotoluene	12/09/88	12/23/88	ND		10.00	1.000
Diethylphthalate	12/09/88	12/23/88	ND		10.00	1.000
4-Chlorophenyl Phenyl Ether	12/09/88	12/23/88	ND		10.00	1.000
Fluorene	12/09/88	12/23/88	ND		10.00	1.000
4-Nitroaniline	12/09/88	12/23/88	ND		50.00	1.000

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PARAMETER	DATE_EXT	DATE_AMA	CONC.	ERR	DL	DIL
4,6-Dinitro-2-methylphenol	12/09/88	12/23/88	ND		50.00	1.000
N-nitrosodiphenylamine	12/09/88	12/23/88	ND		10.00	1.000
4-Bromophenyl Phenyl ether	12/09/88	12/23/88	ND		10.00	1.000
Hexachlorobenzene	12/09/88	12/23/88	ND		10.00	1.000
Pentachlorophenol	12/09/88	12/23/88	ND		50.00	1.000
Phenanthrene	12/09/88	12/23/88	ND		10.00	1.000
Anthracene	12/09/88	12/23/88	ND		10.00	1.000
Di-n-butylphthalate	12/09/88	12/23/88	ND		10.00	1.000
Fluoranthene	12/09/88	12/23/88	ND		10.00	1.000
Pyrene	12/09/88	12/23/88	ND		10.00	1.000
Butyl Benzyl Phthalate	12/09/88	12/23/88	1.00	J	10.00	1.000
3,3'-Dichlorobenzidine	12/09/88	12/23/88	ND		20.00	1.000
Benzo(a)anthracene	12/09/88	12/23/88	ND		10.00	1.000
Chrysene	12/09/88	12/23/88	ND		10.00	1.000
bis(2-ethylhexyl)phthalate	12/09/88	12/23/88	1.00	J	10.00	1.000
Di-n-octyl Phthalate	12/09/88	12/23/88	ND		10.00	1.000
Benzo(b)fluoranthene	12/09/88	12/23/88	ND		10.00	1.000
Benzo(k)fluoranthene	12/09/88	12/23/88	ND		10.00	1.000
Benzo(a)pyrene	12/09/88	12/23/88	ND		10.00	1.000

ENGINEERING SCIENCE 135-07

C:\R-096.DBF

CUSTOMER ID: 8CBRS

metaTRACE LAB ID: AA22825

SAMPLE DATE: 12/05/88

MATRIX: WATER

CATEGORY: HALOGENATED VOC

METHOD: SUB010

UNITS: UG/L

Page No. 1

05/16/89

PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	DIL
BIS(2-CHLOROETHOXY) METHANE	NA	12/08/88	ND		0.50	1.000
BIS(2-CHLOROISOPROPYL) ETHER	NA	12/08/88	ND		0.80	1.000
BROMODICHLOROMETHANE	NA	12/08/88	0.50	+	0.10	1.000
BROMOFORM	NA	12/08/88	ND		1.00	1.000
BROMOMETHANE	NA	12/08/88	ND		1.20	1.000
CARBON TETRACHLORIDE	NA	12/08/88	ND		0.60	1.000
CHLOROBENZENE	NA	12/08/88	ND		1.25	1.000
CHLOROETHANE	NA	12/08/88	ND		0.52	1.000
CHLOROFORM	NA	12/08/88	19.13	+	0.25	1.000
2-CHLOROETHYL VINYL ETHER	NA	12/08/88	ND		0.13	1.000
CHLOROMETHANE	NA	12/08/88	0.48	-	0.08	1.000
DIBROMOCHLOROMETHANE	NA	12/08/88	ND		0.43	1.000
1,2-DICHLOROBENZENE	NA	12/08/88	ND		0.75	1.000
1,3-DICHLOROBENZENE	NA	12/08/88	ND		1.60	1.000
1,4-DICHLOROBENZENE	NA	12/08/88	ND		1.20	1.000
1,1-DICHLOROETHANE	NA	12/08/88	ND		0.70	1.000
1,2-DICHLOROETHANE	NA	12/08/88	ND		0.15	1.000
1,1-DICHLOROETHENE	NA	12/08/88	ND		0.65	1.000
TRANS-1,2-DICHLOROETHENE	NA	12/08/88	ND		0.50	1.000
DICHLOROETHANE	NA	12/08/88	ND		1.25	1.000
1,2-DICHLOROPROPANE	NA	12/08/88	ND		0.04	1.000
TRANS-1,3-DICHLOROPROPENE	NA	12/08/88	ND		0.20	1.000
1,1,2,2-TETRACHLOROETHANE	NA	12/08/88	ND		0.15	1.000
TETRACHLOROETHENE	NA	12/08/88	ND		0.15	1.000
1,1,1-TRICHLOROETHANE	NA	12/08/88	1.35	-	0.15	1.000
1,1,2-TRICHLOROETHANE	NA	12/08/88	ND		0.10	1.000
TRICHLOROETHENE	NA	12/08/88	0.17	-	0.60	1.000
TRICHLOROFLUOROETHANE	NA	12/08/88	ND		0.50	1.000
VINYL CHLORIDE	NA	12/08/88	ND		0.18	1.000

ENGINEERING SCIENCE 135-07

C:\R-09E.D0F

CUSTOMER ID: BCBS5

metaTRACE LAB ID: AA22825

SAMPLE DATE: 12/05/88

MATRIX: WATER

CATEGORY: AROMATIC VOA

METHOD: SUB020

UNITS: UG/L

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05/16/89

PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	DIL
BENZENE	NA	12/08/88	ND		0.20	1.000
CHLOROBENZENE	NA	12/08/88	ND		0.20	1.000
1,2-DICHLOROBENZENE	NA	12/08/88	ND		0.40	1.000
1,3-DICHLOROBENZENE	NA	12/08/88	ND		0.40	1.000
1,4-DICHLOROBENZENE	NA	12/08/88	ND		0.30	1.000
ETHYL BENZENE	NA	12/08/88	ND		0.20	1.000
TOLUENE	NA	12/08/88	0.70	+	0.20	1.000
O-XYLENE	NA	12/08/88	ND		0.20	1.000
M-XYLENE	NA	12/08/88	0.62	-	0.20	1.000
P-XYLENE	NA	12/08/88	ND		0.20	1.000

ENGINEERING SCIENCE 135-07

C:\R-098.DBF

CUSTOMER ID: SCBAS

metaTRACE LAB ID: AA22825

SAMPLE DATE: 12/05/88

MATRIX: WATER

CATEGORY: PP_METALS

METHOD: EPA 6010

UNITS: UG/L

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05/17/89

PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	DIL
Antimony	NA	01/30/89	ND		60.00	1.000
Arsenic	NA	01/30/89	ND		10.00	1.000
Beryllium	NA	01/30/89	ND		5.00	1.000
Cadmium	NA	01/30/89	ND		5.00	1.000
Chromium	NA	01/30/89	ND		10.00	1.000
Copper	NA	01/30/89	ND		25.00	1.000
Lead	NA	01/03/89	10.10		5.00	1.000
Mercury	NA	12/16/88	0.36		0.20	1.000
Nickel	NA	01/30/89	ND		40.00	1.000
Selenium	NA	01/30/89	ND		5.00	1.000
Silver	NA	01/30/89	ND		10.00	1.000
Thallium	NA	01/30/89	ND		10.00	1.000
Zinc	NA	01/30/89	273.00		20.00	1.000

ENGINEERING SCIENCE 135-07

C:R-03C.DBF

CUSTOMER ID: BC-FB1

metaTRACE LAB ID: AA21477

SAMPLE DATE: 11/03/88

MATRIX: WATER

CATEGORY: SEMI-VOLATILES

METHOD: EPA 8270

UNITS: UG/L

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05/15/89

PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	DIL
Phenol	11/08/88	11/29/88	ND		10.00	1.000
bis(2-Chloroethyl) ether	11/08/88	11/29/88	ND		10.00	1.000
2-Chlorophenol	11/08/88	11/29/88	ND		10.00	1.000
1,3-Dichlorobenzene	11/08/88	11/29/88	ND		10.00	1.000
1,4-Dichlorobenzene	11/08/88	11/29/88	ND		10.00	1.000
Benzyl Alcohol	11/08/88	11/29/88	ND		10.00	1.000
1,2-Dichlorobenzene	11/08/88	11/29/88	ND		10.00	1.000
2-Methylphenol	11/08/88	11/29/88	ND		10.00	1.000
bis(2-Chloroisopropyl) ether	11/08/88	11/29/88	ND		10.00	1.000
4-Methylphenol	11/08/88	11/29/88	ND		10.00	1.000
N-Nitroso-Diisopropylamine	11/08/88	11/29/88	ND		10.00	1.000
Hexachloroethane	11/08/88	11/29/88	ND		10.00	1.000
Nitrobenzene	11/08/88	11/29/88	ND		10.00	1.000
Isophorone	11/08/88	11/29/88	ND		10.00	1.000
2-Nitrophenol	11/08/88	11/29/88	ND		50.00	1.000
2,4-Dimethylphenol	11/08/88	11/29/88	ND		10.00	1.000
Benzoic Acid	11/08/88	11/29/88	ND		50.00	1.000
bis(2-Chloroethoxy) methane	11/08/88	11/29/88	ND		10.00	1.000
2,4-Dichlorophenol	11/08/88	11/29/88	ND		10.00	1.000
1,2,4-Trichlorobenzene	11/08/88	11/29/88	ND		10.00	1.000
Naphthalene	11/08/88	11/29/88	ND		10.00	1.000
4-Chloroaniline	11/08/88	11/29/88	ND		10.00	1.000
Hexachlorobutadiene	11/08/88	11/29/88	ND		10.00	1.000
4-Chloro-3-methylphenol	11/08/88	11/29/88	ND		10.00	1.000
2-Methylnaphthalene	11/08/88	11/29/88	ND		10.00	1.000
Hexachlorocyclopentadiene	11/08/88	11/29/88	ND		10.00	1.000
2,4,6-Trichlorophenol	11/08/88	11/29/88	ND		10.00	1.000
2,4,5-Trichlorophenol	11/08/88	11/29/88	ND		50.00	1.000
2-Chloronaphthalene	11/08/88	11/29/88	ND		10.00	1.000
2-Nitroaniline	11/08/88	11/29/88	ND		50.00	1.000
Dimethyl Phthalate	11/08/88	11/29/88	ND		10.00	1.000
Acenaphthylene	11/08/88	11/29/88	ND		10.00	1.000
2,6-Dinitrotoluene	11/08/88	11/29/88	ND		10.00	1.000
3-Nitroaniline	11/08/88	11/29/88	ND		50.00	1.000
Acenaphthene	11/08/88	11/29/88	ND		10.00	1.000
2,4-Dinitrophenol	11/08/88	11/29/88	ND		50.00	1.000
4-Nitrophenol	11/08/88	11/29/88	ND		50.00	1.000
Dibenzofuran	11/08/88	11/29/88	ND		10.00	1.000
2,4-Dinitrotoluene	11/08/88	11/29/88	ND		10.00	1.000
Diethylphthalate	11/08/88	11/29/88	ND		10.00	1.000
4-Chlorophenyl Phenyl Ether	11/08/88	11/29/88	ND		10.00	1.000
Fluorene	11/08/88	11/29/88	ND		10.00	1.000
4-Nitroaniline	11/08/88	11/29/88	ND		50.00	1.000

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05/15/89

PARAMETER	DATE_EXT	DATE_AMA	CONC.	ERR	DL	DIL
4,6-Dinitro-2-methylphenol	11/08/88	11/29/88	ND		50.00	1.000
N-nitrosodiphenylamine	11/08/88	11/29/88	ND		10.00	1.000
4-Bromophenyl Phenyl ether	11/08/88	11/29/88	ND		10.00	1.000
Hexachlorobenzene	11/08/88	11/29/88	ND		10.00	1.000
Pentachlorophenol	11/08/88	11/29/88	ND		50.00	1.000
Phenanthrene	11/08/88	11/29/88	ND		10.00	1.000
Anthracene	11/08/88	11/29/88	ND		10.00	1.000
Di-n-butylphthalate	11/08/88	11/29/88	ND		10.00	1.000
Fluoranthene	11/08/88	11/29/88	ND		10.00	1.000
Pyrene	11/08/88	11/29/88	ND		10.00	1.000
Butyl Benzyl Phthalate	11/08/88	11/29/88	ND		10.00	1.000
3,3'-Dichlorobenzidine	11/08/88	11/29/88	ND		20.00	1.000
Benzo(a)anthracene	11/08/88	11/29/88	ND		10.00	1.000
Chrysene	11/08/88	11/29/88	ND		10.00	1.000
bis(2-ethylhexyl)phthalate	11/08/88	11/29/88	ND		10.00	1.000
Di-n-octyl Phthalate	11/08/88	11/29/88	ND		10.00	1.000
Benzo(b)fluoranthene	11/08/88	11/29/88	ND		10.00	1.000
Benzo(k)fluoranthene	11/08/88	11/29/88	ND		10.00	1.000
Benzo(a)pyrene	11/08/88	11/29/88	ND		10.00	1.000
Indeno(1,2,3-cd)pyrene	11/08/88	11/29/88	ND		10.00	1.000
Dibenzo(a,h)anthracene	11/08/88	11/29/88	ND		10.00	1.000
Benzo(g,h,i)perylene	11/08/88	11/29/88	ND		10.00	1.000

ENGINEERING SCIENCE 135-07

C:\R-03A.DBF

CUSTOMER ID: SC-FB1

metaTRACE LAB ID: AA21448

SAMPLE DATE: 11/03/88

MATRIX: WATER

CATEGORY: VOLATILES

METHOD: EPA 8240

UNITS: UG/L

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05/15/89

PARAMETER	DATE_EXT	DATE_AMA	CONC.	ERR	DL	DIL
Chloromethane	NA	11/07/88	ND		10.00	1.000
Bromomethane	NA	11/07/88	ND		10.00	1.000
Vinyl Chloride	NA	11/07/88	ND		10.00	1.000
Chloroethane	NA	11/07/88	ND		10.00	1.000
Methylene Chloride	NA	11/07/88	21.00	8	5.00	1.000
Acetone	NA	11/07/88	12.00		10.00	1.000
Carbon Disulfide	NA	11/07/88	ND		5.00	1.000
1,1-Dichloroethane	NA	11/07/88	ND		5.00	1.000
1,1-Dichloroethane	NA	11/07/88	ND		5.00	1.000
1,2-Dichloroethane (total)	NA	11/07/88	ND		5.00	1.000
Chloroform	NA	11/07/88	25.00		5.00	1.000
1,2-Dichloroethane	NA	11/07/88	ND		5.00	1.000
2-Butanone	NA	11/07/88	ND		10.00	1.000
1,1,1-Trichloroethane	NA	11/07/88	ND		5.00	1.000
Carbon Tetrachloride	NA	11/07/88	ND		5.00	1.000
Vinyl Acetate	NA	11/07/88	ND		10.00	1.000
Bromodichloromethane	NA	11/07/88	ND		5.00	1.000
1,1,2,2-Tetrachloroethane	NA	11/07/88	ND		5.00	1.000
1,2-Dichloropropene	NA	11/07/88	ND		5.00	1.000
cis-1,3-Dichloropropene	NA	11/07/88	ND		5.00	1.000
Trichloroethane	NA	11/07/88	ND		5.00	1.000
Dibromochloromethane	NA	11/07/88	ND		5.00	1.000
1,1,2-Trichloroethane	NA	11/07/88	ND		5.00	1.000
Benzene	NA	11/07/88	ND		5.00	1.000
trans-1,3-Dichloropropene	NA	11/07/88	ND		5.00	1.000
Bromoform	NA	11/07/88	ND		5.00	1.000
2-Hexanone	NA	11/07/88	ND		10.00	1.000
4-Methyl-2-pentanone	NA	11/07/88	ND		10.00	1.000
Tetrachloroethane	NA	11/07/88	ND		5.00	1.000
Toluene	NA	11/07/88	ND		5.00	1.000
Chlorobenzene	NA	11/07/88	ND		5.00	1.000
Ethyl Benzene	NA	11/07/88	ND		5.00	1.000
Styrene	NA	11/07/88	ND		5.00	1.000
Xylenes (Total)	NA	11/07/88	ND		5.00	1.000

ENGINEERING SCIENCE 135-07

C:\R-03C.DBF

CUSTOMER ID: SC-F81

metaTRACE LAB ID: AA21677

SAMPLE DATE: 11/03/88

MATRIX: WATER

CATEGORY: PP_METALS

METHOD: EPA 6010

UNITS: UG/L

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05/15/89

PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	DIL
Antimony	NA	12/27/88	ND		55.00	1.000
Arsenic	NA	12/27/88	ND		3.00	1.000
Beryllium	NA	12/27/88	ND		5.00	1.000
Cadmium	NA	12/27/88	ND		5.00	1.000
Chromium	NA	12/27/88	ND		8.00	1.000
Copper	NA	12/27/88	ND		9.00	1.000
Lead	NA	12/27/88	28.50		3.00	1.000
Mercury	NA	12/27/88	0.21		0.20	1.000
Nickel	NA	12/27/88	ND		26.00	1.000
Selenium	NA	12/27/88	ND		2.00	1.000
Silver	NA	12/27/88	ND		7.00	1.000
Thallium	NA	12/27/88	ND		3.00	1.000
Zinc	NA	12/27/88	ND		4.00	1.000

ENGINEERING SCIENCE 135-07

C:\R-03C.DBF

CUSTOMER ID: BC-FB1

metaTRACE LAB ID: AA21477

SAMPLE DATE: 11/03/88

MATRIX: WATER

CATEGORY: MISC.

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05/15/89

PARAMETER	METHOD	DATE EXT	DATE_AMA	CONC.	UNITS	ERR	DL	DIL
Total Petroleum Hydrocarbons	EPA 418.1	NA	11/09/88	ND	MG/L		2.00	1.000

ENGINEERING SCIENCE 135-07

C:\R-03C.DBF

CUSTOMER ID: BC-F81

metaTRACE LAB ID: AA21477

SAMPLE DATE: 11/03/88

MATRIX: WATER

CATEGORY: PAH

METHOD: EPA 8100

UNITS: UG/ML

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PARAMETER	DATE_EXT	DATE_AMA	CONC.	ERR	DL	DIL
Naphthalene	11/08/88	11/16/88	ND		5.00	1.000
Acenaphthylene	11/08/88	11/16/88	ND		5.00	1.000
Acenaphthene	11/08/88	11/16/88	ND		5.00	1.000
Fluorene	11/08/88	11/16/88	ND		5.00	1.000
Phenanthrene	11/08/88	11/16/88	ND		5.00	1.000
Anthracene	11/08/88	11/16/88	ND		5.00	1.000
Fluoranthene	11/08/88	11/16/88	ND		5.00	1.000
Pyrene	11/08/88	11/16/88	ND		5.00	1.000
Benzo(a)anthracene	11/08/88	11/16/88	ND		5.00	1.000
Chrysene	11/08/88	11/16/88	ND		5.00	1.000
Benzo(b)fluoranthene	11/08/88	11/16/88	ND		5.00	1.000
Benzo(k)fluoranthene	11/08/88	11/16/88	ND		5.00	1.000
Benzo(a)pyrene	11/08/88	11/16/88	ND		5.00	1.000
Indeno(1,2,3-cd)pyrene	11/08/88	11/16/88	ND		5.00	1.000
Dibenz(a,h)anthracene	11/08/88	11/16/88	ND		5.00	1.000
Benzo(g,h,i)perylene	11/08/88	11/16/88	ND		5.00	1.000

ENGINEERING SCIENCE 135-07

C:R-0707E.DBF

CUSTOMER ID: BCFB2

metaTRACE LAB ID: AA22773

SAMPLE DATE: 12/02/88

MATRIX: WATER

CATEGORY: SEMI-VOLATILES

METHOD: EPA 8270

UNITS: UG/L

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01/07/90

PARAMETER	DATE_EXT	DATE_AMA	CONC.	ERR	DL	DIL
Phenol	12/07/88	12/14/88	ND		10.00	1.000
bis(2-Chloroethyl) ether	12/07/88	12/14/88	ND		10.00	1.000
2-Chlorophenol	12/07/88	12/14/88	ND		10.00	1.000
1,3-Dichlorobenzene	12/07/88	12/14/88	ND		10.00	1.000
1,4-Dichlorobenzene	12/07/88	12/14/88	ND		10.00	1.000
Benzyl Alcohol	12/07/88	12/14/88	ND		10.00	1.000
1,2-Dichlorobenzene	12/07/88	12/14/88	ND		10.00	1.000
2-Methylphenol	12/07/88	12/14/88	ND		10.00	1.000
bis(2-Chloroisopropyl) ether	12/07/88	12/14/88	ND		10.00	1.000
4-Methylphenol	12/07/88	12/14/88	ND		10.00	1.000
N-Nitroso-Dipropylamine	12/07/88	12/14/88	ND		10.00	1.000
Hexachloroethane	12/07/88	12/14/88	ND		10.00	1.000
Nitrobenzene	12/07/88	12/14/88	ND		10.00	1.000
Isophorone	12/07/88	12/14/88	ND		50.00	1.000
2-Nitrophenol	12/07/88	12/14/88	ND		10.00	1.000
2,4-Dimethylphenol	12/07/88	12/14/88	ND		50.00	1.000
Benzoic Acid	12/07/88	12/14/88	ND		10.00	1.000
bis(2-Chloroethoxy) methane	12/07/88	12/14/88	ND		10.00	1.000
2,4-Dichlorophenol	12/07/88	12/14/88	ND		10.00	1.000
1,2,4-Trichlorobenzene	12/07/88	12/14/88	ND		10.00	1.000
Naphthalene	12/07/88	12/14/88	ND		10.00	1.000
4-Chloroaniline	12/07/88	12/14/88	ND		10.00	1.000
Hexachlorobutadiene	12/07/88	12/14/88	ND		10.00	1.000
4-Chloro-3-methylphenol	12/07/88	12/14/88	ND		10.00	1.000
2-Methylnaphthalene	12/07/88	12/14/88	ND		10.00	1.000
Hexachlorocyclopentadiene	12/07/88	12/14/88	ND		10.00	1.000
2,4,6-Trichlorophenol	12/07/88	12/14/88	ND		50.00	1.000
2,4,5-Trichlorophenol	12/07/88	12/14/88	ND		10.00	1.000
2-Chloronaphthalene	12/07/88	12/14/88	ND		50.00	1.000
2-Nitroaniline	12/07/88	12/14/88	ND		10.00	1.000
Dimethyl Phthalate	12/07/88	12/14/88	ND		10.00	1.000
Acenaphthylene	12/07/88	12/14/88	ND		10.00	1.000
2,6-Dinitrotoluene	12/07/88	12/14/88	ND		50.00	1.000
3-Nitroaniline	12/07/88	12/14/88	ND		10.00	1.000
Acenaphthene	12/07/88	12/14/88	ND		50.00	1.000
2,4-Dinitrophenol	12/07/88	12/14/88	ND		50.00	1.000
4-Nitrophenol	12/07/88	12/14/88	ND		10.00	1.000
Dibenzofuran	12/07/88	12/14/88	ND		10.00	1.000
2,4-Dinitrotoluene	12/07/88	12/14/88	ND		10.00	1.000
Diethylphthalate	12/07/88	12/14/88	ND		10.00	1.000
4-Chlorophenyl Phenyl Ether	12/07/88	12/14/88	ND		10.00	1.000
Fluorene	12/07/88	12/14/88	ND		50.00	1.000
4-Nitroaniline	12/07/88	12/14/88	ND			

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01/07/88

PARAMETER	DATE_EXT	DATE_AMA	CONC.	ERR	DL	DIL
4,6-Dinitro-2-methylphenol	12/07/88	12/14/88	ND		50.00	1.000
N-nitrosodiphenylamine	12/07/88	12/14/88	ND		10.00	1.000
4-Bromophenyl Phenyl ether	12/07/88	12/14/88	ND		10.00	1.000
Hexachlorobenzene	12/07/88	12/14/88	ND		10.00	1.000
Pentachlorophenol	12/07/88	12/14/88	ND		50.00	1.000
Phenanthrene	12/07/88	12/14/88	ND		10.00	1.000
Anthracene	12/07/88	12/14/88	ND		10.00	1.000
Di-n-butylphthalate	12/07/88	12/14/88	ND		10.00	1.000
Fluoranthene	12/07/88	12/14/88	ND		10.00	1.000
Pyrene	12/07/88	12/14/88	ND		10.00	1.000
Butyl Benzyl Phthalate	12/07/88	12/14/88	ND		10.00	1.000
3,3'-Dichlorobenzidine	12/07/88	12/14/88	ND		20.00	1.000
Benzo(a)anthracene	12/07/88	12/14/88	ND		10.00	1.000
Chrysene	12/07/88	12/14/88	ND		10.00	1.000
bis(2-ethylhexyl)phthalate	12/07/88	12/14/88	ND		10.00	1.000
Di-n-octyl Phthalate	12/07/88	12/14/88	ND		10.00	1.000
Benzo(b)fluoranthene	12/07/88	12/14/88	ND		10.00	1.000
Benzo(k)fluoranthene	12/07/88	12/14/88	ND		10.00	1.000
Benzo(a)pyrene	12/07/88	12/14/88	ND		10.00	1.000

ENGINEERING SCIENCE 135-07

C:\R-0707E.DBF

CUSTOMER ID: SCF82

metaTRACE LAB ID: AA22773

SAMPLE DATE: 12/02/80

MATRIX: WATER

CATEGORY: HALOGENATED VOA

METHOD: SUB010

UNITS: UG/L

Page No. 1
01/07/80

PARAMETER	DATE_EXT	DATE_AMA	CONC.	ERR	DL	DIL
BIS(2-CHLOROETHOXY) METHANE	NA	12/08/80	ND		0.50	1.000
BIS(2-CHLOROISOPROPYL) ETHER	NA	12/08/80	ND		0.80	1.000
BROMODICHLOROMETHANE	NA	12/08/80	5.19	+	0.10	1.000
BROMOFORM	NA	12/08/80	3.10	+	1.00	1.000
BROMOMETHANE	NA	12/08/80	ND		1.20	1.000
CARBON TETRACHLORIDE	NA	12/08/80	ND		0.60	1.000
CHLOROBENZENE	NA	12/08/80	ND		1.25	1.000
CHLOROETHANE	NA	12/08/80	ND		0.52	1.000
CHLOROFORM	NA	12/08/80	3.38	-	0.25	1.000
2-CHLOROETHYL VINYL ETHER	NA	12/08/80	ND		0.13	1.000
CHLOROMETHANE	NA	12/08/80	0.89	-	0.08	1.000
DIBROMOCHLOROMETHANE	NA	12/08/80	ND		0.43	1.000
1,2-DICHLOROBENZENE	NA	12/08/80	ND		0.75	1.000
1,3-DICHLOROBENZENE	NA	12/08/80	ND		1.60	1.000
1,4-DICHLOROBENZENE	NA	12/08/80	ND		1.20	1.000
1,1-DICHLOROETHANE	NA	12/08/80	0.09	-	0.70	1.000
1,2-DICHLOROETHANE	NA	12/08/80	ND		0.15	1.000
1,1-DICHLOROETHENE	NA	12/08/80	ND		0.65	1.000
TRANS-1,2-DICHLOROETHENE	NA	12/08/80	ND		0.50	1.000
DICHLOROETHANE	NA	12/08/80	ND		1.25	1.000
1,2-DICHLOROPROPANE	NA	12/08/80	6.08	+	0.04	1.000
TRANS-1,3-DICHLOROPROPENE	NA	12/08/80	ND		0.20	1.000
1,1,2,2-TETRACHLOROETHANE	NA	12/08/80	ND		0.15	1.000
TETRACHLOROETHENE	NA	12/08/80	0.05	-	0.15	1.000
1,1,1-TRICHLOROETHANE	NA	12/08/80	5.45	+	0.15	1.000
1,1,2-TRICHLOROETHANE	NA	12/08/80	ND		0.10	1.000
TRICHLOROETHENE	NA	12/08/80	ND		0.60	1.000
TRICHLOROFLUOROMETHANE	NA	12/08/80	ND		0.50	1.000
VINYL CHLORIDE	NA	12/08/80	ND		0.18	1.000

ENGINEERING SCIENCE 135-07

C:\R-0707E.DBF

CUSTOMER ID: BCFB2

metaTRACE LAB ID: AA22773

SAMPLE DATE: 12/02/88

MATRIX: WATER

CATEGORY: AROMATIC VOA

METHOD: SUB020

UNITS: UG/L

Page No. 1
01/07/80

PARAMETER	DATE_EXT	DATE_AMA	CONC.	ERR	DL	DIL
BENZENE	NA	12/08/88	0.29	-	0.20	1.000
CHLOROBENZENE	NA	12/08/88	ND	-	0.20	1.000
1,2-DICHLOROBENZENE	NA	12/08/88	2.22	-	0.40	1.000
1,3-DICHLOROBENZENE	NA	12/08/88	ND	-	0.40	1.000
1,4-DICHLOROBENZENE	NA	12/08/88	ND	-	0.30	1.000
ETHYL BENZENE	NA	12/08/88	ND	-	0.20	1.000
TOLUENE	NA	12/08/88	3.05	-	0.20	1.000
O-XYLENE	NA	12/08/88	1.82	-	0.20	1.000
M-XYLENE	NA	12/08/88	1.84	-	0.20	1.000
P-XYLENE	NA	12/08/88	ND	-	0.20	1.000

ENGINEERING SCIENCE 135-07

C:\R-0707E.DBF

CUSTOMER ID: BCFB2

metaTRACE LAB ID: AA22773

SAMPLE DATE: 12/02/88

MATRIX: WATER

CATEGORY: PP_METALS

METHOD: EPA 6010

UNITS: UG/L

Page No. 1
01/07/89

PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	DIL
Antimony	NA	12/27/88	ND		60.00	1.000
Arsenic	NA	12/21/88	ND		10.00	1.000
Beryllium	NA	12/27/88	ND		5.00	1.000
Cadmium	NA	12/27/88	ND		5.00	1.000
Chromium	NA	12/27/88	ND		10.00	1.000
Copper	NA	12/27/88	96.20		25.00	1.000
Lead	NA	12/21/88	6.42		5.00	1.000
Mercury	NA	12/27/88	ND		0.20	1.000
Nickel	NA	12/27/88	ND		40.00	1.000
Selenium	NA	12/22/88	ND		5.00	1.000
Silver	NA	12/27/88	ND		10.00	1.000
Thallium	NA	12/21/88	ND		10.00	1.000
Zinc	NA	12/27/88	31.60		20.00	1.000

ENGINEERING SCIENCE 135-07

C:\R-0707E.D8F

CUSTOMER ID: BCFB2

metaTRACE LAB ID: AA22773

SAMPLE DATE: 12/02/08

MATRIX: WATER

CATEGORY: MISC.

Page No. 1
01/07/00

PARAMETER	METHOD	DATE EXT	DATE_AMA	CONC.	UNITS	ERR	DL	DIL
Total Petroleum Hydrocarbons	EPA 418.1	NA	12/15/88	ND	MG/L		2.00	1.000

ENGINEERING SCIENCE 135-07

C:\R-07070.D08

CUSTOMER ID: BCFB3

metaTRACE LAB ID: AA22772

SAMPLE DATE: 12/02/88

MATRIX: WATER

CATEGORY: SEMI-VOLATILES

METHOD: EPA 8270

UNITS: UG/L

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05/16/89

PARAMETER	DATE_EXT	DATE_AMA	CONC.	ERR	DL	DIL
Phenol	12/07/88	12/14/88	ND		10.00	1.000
bis(2-Chloroethyl) ether	12/07/88	12/14/88	ND		10.00	1.000
2-Chlorophenol	12/07/88	12/14/88	ND		10.00	1.000
1,3-Dichlorobenzene	12/07/88	12/14/88	ND		10.00	1.000
1,4-Dichlorobenzene	12/07/88	12/14/88	ND		10.00	1.000
Benzyl Alcohol	12/07/88	12/14/88	ND		10.00	1.000
1,2-Dichlorobenzene	12/07/88	12/14/88	ND		10.00	1.000
2-Methylphenol	12/07/88	12/14/88	ND		10.00	1.000
bis(2-Chloroisopropyl) ether	12/07/88	12/14/88	ND		10.00	1.000
4-Methylphenol	12/07/88	12/14/88	ND		10.00	1.000
N-Nitroso-Dipropylamine	12/07/88	12/14/88	ND		10.00	1.000
Hexachloroethane	12/07/88	12/14/88	ND		10.00	1.000
Nitrobenzene	12/07/88	12/14/88	ND		10.00	1.000
Isophorone	12/07/88	12/14/88	ND		50.00	1.000
2-Nitrophenol	12/07/88	12/14/88	ND		10.00	1.000
2,4-Dimethylphenol	12/07/88	12/14/88	ND		50.00	1.000
Benzoic Acid	12/07/88	12/14/88	ND		10.00	1.000
bis(2-Chloroethoxy) methane	12/07/88	12/14/88	ND		10.00	1.000
2,4-Dichlorophenol	12/07/88	12/14/88	ND		10.00	1.000
1,2,4-Trichlorobenzene	12/07/88	12/14/88	ND		10.00	1.000
Naphthalene	12/07/88	12/14/88	ND		10.00	1.000
4-Chloroaniline	12/07/88	12/14/88	ND		10.00	1.000
Hexachlorobutadiene	12/07/88	12/14/88	ND		10.00	1.000
4-Chloro-3-methylphenol	12/07/88	12/14/88	ND		10.00	1.000
2-Methylnaphthalene	12/07/88	12/14/88	ND		10.00	1.000
Hexachlorocyclopentadiene	12/07/88	12/14/88	ND		10.00	1.000
2,4,6-Trichlorophenol	12/07/88	12/14/88	ND		50.00	1.000
2,4,5-Trichlorophenol	12/07/88	12/14/88	ND		10.00	1.000
2-Chloronaphthalene	12/07/88	12/14/88	ND		50.00	1.000
2-Nitroaniline	12/07/88	12/14/88	ND		10.00	1.000
Dimethyl Phthalate	12/07/88	12/14/88	ND		10.00	1.000
Acenaphthylene	12/07/88	12/14/88	ND		10.00	1.000
2,6-Dinitrotoluene	12/07/88	12/14/88	ND		50.00	1.000
3-Nitroaniline	12/07/88	12/14/88	ND		10.00	1.000
Acenaphthene	12/07/88	12/14/88	ND		50.00	1.000
2,4-Dinitrophenol	12/07/88	12/14/88	ND		50.00	1.000
4-Nitrophenol	12/07/88	12/14/88	ND		10.00	1.000
Dibenzofuran	12/07/88	12/14/88	ND		10.00	1.000
2,4-Dinitrotoluene	12/07/88	12/14/88	ND		10.00	1.000
Diethylphthalate	12/07/88	12/14/88	ND		10.00	1.000
4-Chlorophenyl Phenyl Ether	12/07/88	12/14/88	ND		10.00	1.000
Fluorene	12/07/88	12/14/88	ND		50.00	1.000
4-Nitroaniline	12/07/88	12/14/88	ND			

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05/16/89

PARAMETER	DATE_EXT	DATE_AMA	CONC.	ERR	DL	DIL
4,6-Dinitro-2-methylphenol	12/07/88	12/14/88	ND		50.00	1.000
N-nitrosodiphenylamine	12/07/88	12/14/88	ND		10.00	1.000
4-Bromophenyl Phenyl ether	12/07/88	12/14/88	ND		10.00	1.000
Hexachlorobenzene	12/07/88	12/14/88	ND		10.00	1.000
Pentachlorophenol	12/07/88	12/14/88	ND		50.00	1.000
Phenanthrene	12/07/88	12/14/88	ND		10.00	1.000
Anthracene	12/07/88	12/14/88	ND		10.00	1.000
Di-n-butylphthalate	12/07/88	12/14/88	ND		10.00	1.000
Fluoranthene	12/07/88	12/14/88	ND		10.00	1.000
Pyrene	12/07/88	12/14/88	ND		10.00	1.000
Butyl Benzyl Phthalate	12/07/88	12/14/88	ND		10.00	1.000
3,3'-Dichlorobenzidine	12/07/88	12/14/88	ND		20.00	1.000
Benzo(a)anthracene	12/07/88	12/14/88	ND		10.00	1.000
Chrysene	12/07/88	12/14/88	ND		10.00	1.000
bis(2-ethylhexyl)phthalate	12/07/88	12/14/88	ND		10.00	1.000
Di-n-octyl Phthalate	12/07/88	12/14/88	ND		10.00	1.000
Benzo(b)fluoranthene	12/07/88	12/14/88	ND		10.00	1.000
Benzo(k)fluoranthene	12/07/88	12/14/88	ND		10.00	1.000
Benzo(a)pyrene	12/07/88	12/14/88	ND		10.00	1.000

ENGINEERING SCIENCE 135-07

C:R-07070.000

CUSTOMER ID: SCFBS

metaTRACE LAB ID: AA22772

SAMPLE DATE: 12/02/88

MATRIX: WATER

CATEGORY: HALOGENATED VOA

METHOD: SUB010

UNITS: UG/L

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05/16/89

PARAMETER	DATE_EXT	DATE_AMA	CONC.	ERR	DL	DIL
BIS(2-CHLOROETHOXY) METHANE	NA	12/08/88	ND		0.50	1.000
BIS(2-CHLOROISOPROPYL) ETHER	NA	12/08/88	ND		0.80	1.000
BROMODICHLOROMETHANE	NA	12/08/88	0.44	-	0.10	1.000
BROMOFORM	NA	12/08/88	ND		1.00	1.000
BROMOMETHANE	NA	12/08/88	ND		1.20	1.000
CARBON TETRACHLORIDE	NA	12/08/88	ND		0.60	1.000
CHLOROBENZENE	NA	12/08/88	ND		1.25	1.000
CHLOROETHANE	NA	12/08/88	ND		0.52	1.000
CHLOROFORM	NA	12/08/88	19.57	-	0.25	1.000
2-CHLOROETHYL VINYL ETHER	NA	12/08/88	ND		0.13	1.000
CHLOROMETHANE	NA	12/08/88	1.32	-	0.08	1.000
DIBROMOCHLOROMETHANE	NA	12/08/88	ND		0.45	1.000
1,2-DICHLOROBENZENE	NA	12/08/88	ND		0.75	1.000
1,3-DICHLOROBENZENE	NA	12/08/88	ND		1.60	1.000
1,4-DICHLOROBENZENE	NA	12/08/88	ND		1.20	1.000
1,1-DICHLOROETHANE	NA	12/08/88	ND		0.70	1.000
1,2-DICHLOROETHANE	NA	12/08/88	ND		0.15	1.000
1,1-DICHLOROETHENE	NA	12/08/88	ND		0.65	1.000
TRANS-1,2-DICHLOROETHENE	NA	12/08/88	ND		0.50	1.000
DICHLOROMETHANE	NA	12/08/88	ND		1.25	1.000
1,2-DICHLOROPROPANE	NA	12/08/88	ND		0.04	1.000
TRANS-1,3-DICHLOROPROPENE	NA	12/08/88	ND		0.20	1.000
1,1,2,2-TETRACHLOROETHANE	NA	12/08/88	ND		0.15	1.000
TETRACHLOROETHENE	NA	12/08/88	ND		0.15	1.000
1,1,1-TRICHLOROETHANE	NA	12/08/88	1.23	-	0.15	1.000
1,1,2-TRICHLOROETHANE	NA	12/08/88	ND		0.10	1.000
TRICHLOROETHENE	NA	12/08/88	ND		0.60	1.000
TRICHLOROFLUOROETHANE	NA	12/08/88	ND		0.50	1.000
VINYL CHLORIDE	NA	12/08/88	ND		0.18	1.000

ENGINEERING SCIENCE 135-07

C:R-07079.D8F

CUSTOMER ID: BCPB3

metaTRACE LAB ID: AA22772

SAMPLE DATE: 12/02/88

MATRIX: WATER

CATEGORY: AROMATIC VOA

METHOD: SUB020

UNITS: UG/L

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05/16/89

PARAMETER	DATE_EXT	DATE_AMA	CONC.	ERR	DL	DIL
BENZENE	NA	12/08/88	ND		0.20	1.000
CHLOROBENZENE	NA	12/08/88	ND		0.20	1.000
1,2-DICHLOROBENZENE	NA	12/08/88	ND		0.40	1.000
1,3-DICHLOROBENZENE	NA	12/08/88	ND		0.40	1.000
1,4-DICHLOROBENZENE	NA	12/08/88	ND		0.30	1.000
ETHYL BENZENE	NA	12/08/88	ND		0.20	1.000
TOLUENE	NA	12/08/88	0.27		0.20	1.000
O-XYLENE	NA	12/08/88	ND		0.20	1.000
M-XYLENE	NA	12/08/88	ND		0.20	1.000
P-XYLENE	NA	12/08/88	ND		0.20	1.000

ENGINEERING SCIENCE 135-07

C:\R-07070.DBF

CUSTOMER ID: SCF83

metaTRACE LAB ID: AA22772

SAMPLE DATE: 12/02/88

MATRIX: WATER

CATEGORY: PP_METALS

METHOD: EPA 6010

UNITS: UG/L

Page No. 1
05/16/89

PARAMETER	DATE_EXT	DATE_AMA	CONC.	ERR	DL	DIL
Antimony	NA	12/27/88	ND		60.00	1.000
Arsenic	NA	12/27/88	ND		10.00	1.000
Beryllium	NA	12/27/88	ND		5.00	1.000
Cadmium	NA	12/27/88	ND		5.00	1.000
Chromium	NA	12/27/88	ND		10.00	1.000
Copper	NA	12/27/88	ND		25.00	1.000
Lead	NA	12/21/88	9.95		5.00	1.000
Mercury	NA	12/09/88	0.50		0.20	1.000
Nickel	NA	12/27/88	ND		40.00	1.000
Selenium	NA	12/22/88	ND		5.00	1.000
Silver	NA	12/27/88	ND		10.00	1.000
Thallium	NA	12/21/88	ND		10.00	1.000
Zinc	NA	12/27/88	ND		20.00	1.000

metaTRACE, Inc.

3715 Rider Trail North

Earth City, MO 63045

314-298-8566

ENGINEERING SCIENCE 135-07

C:\R-07070.DBF

CUSTOMER ID: BCFB3

metaTRACE LAB ID: AA22772

SAMPLE DATE: 12/02/88

MATRIX: WATER

CATEGORY: MISC.

Page No. 1
05/16/89

PARAMETER	METHOD	DATE EXT	DATE_AMA	CONC.	UNITS	ERR	DL	DIL
Total Petroleum Hydrocarbons	EPA 418.1	NA	12/15/88	ND	MG/L		2.00	1.000

metaTRACE, Inc.

13715 Rider Trail North

Earth City, MO 63045

314.298-8566

**Volatile Organic Analysis (VOA)
Tentatively Identified Compounds**

metaTRACE, Inc.

Client Id. BC,FB1

Project No. 135-07

Sample Id. AA21448

File Id. C5820

Units ug/kg

	CAS NUMBER	COMPOUND NAME	RT	CONC
1.		NO COMPOUNDS FOUND		
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				

**Concentrations are estimated based
upon a Response Factor of 1**

**ANALYTICAL REPORTS FOR
SOIL BORINGS AND SEDIMENTS
NOVEMBER - DECEMBER 1988 SAMPLING DATA**

**LEGEND FOR INORGANIC RESULT QUALIFIERS
USED BY THE LABORATORY AND BY THE DATA USERS
FOR DATA VALIDATION**

- B Reported value is less than Reporting limit but greater than the IDL.
- N Spiked sample recovery not within control limits.
- S Reported value was determined by the Method of Standard Additions.
- * Duplicate analysis not within control limits.
- W Post digestion spike for Furnace AA analysis out of control limits (85-115%), while sample absorbance is less than 50% of spike absorbance.
- + Correlation co-efficient for the MSA is less than 0.995.
- E The reported value is estimated because of the presence of interference.
- R Quality Control indicates that data are not usable (compound may or may not be present). Re-sampling and re-analysis is necessary for verification.
- A line through the value reported and any qualifiers attached indicates that this data was found to not be "real" as a result of a laboratory audit.

**LEGEND FOR ORGANIC RESULT QUALIFIERS
USED BY THE LABORATORY AND BY THE DATA USERS
FOR DATA VALIDATION**

- U The compound was analyzed for but not detected.
- J The value reported is an estimated concentration. This is used when the compound is detected at an amount less than the quantitation limit or when the value reported is considered suspect based on the findings of a laboratory audit.
- C This is used for pesticide results where identification has been confirmed by GC/MS.
- B The analyte is found in the associated blank as well as in the sample.
- A A TIC is a suspected aldol-condensation product.
- E This flag identifies compounds whose concentrations exceed the calibration range of the GC/MS instrument for that specific analysis.
- F This flag identifies compounds whose concentrations exceed the calibration range of the GC/MS instrument for that specific analysis.
- F This flag identifies a compound whose reported analytical result is calculated from a greater dilution than the primary analysis.
- + This is used to indicate that second column confirmation was positive.
- This is used to indicate second column confirmation was negative.
- A line through the value reported and any qualifiers attached indicates that this data was found to not be "real" as a result of a laboratory audit.
- R Quality Control indicates that data are not usable (compound may or may not be present). Re-sampling and re-analysis is necessary for verification.
- N This qualifier is used with other qualifiers and indicates that "presumptive evidence" exists which further confirms the qualification.

ENGINEERING SCIENCE 135-07

C:\R-02.DBF

CUSTOMER ID: BC1-SB1-SS1-0-5

metaTRACE LAB ID: AA21319

SAMPLE DATE: 11/02/88

MATRIX: SOIL

CATEGORY: VOLATILES

METHOD: EPA 8240

UNITS: UG/KG

Page No. 1

05/15/89

PARAMETER	DATE_EXT	DATE_AMA	CONC.	ERR	DL	DIL
Chloromethane	NA	11/05/88	ND		10.76	1.000
Bromomethane	NA	11/05/88	ND		10.76	1.000
Vinyl Chloride	NA	11/05/88	ND		10.76	1.000
Chloroethane	NA	11/05/88	ND		10.76	1.000
Methylene Chloride	NA	11/05/88	ND		5.38	1.000
Acetone	NA	11/05/88	ND		10.76	1.000
Carbon Disulfide	NA	11/05/88	ND		5.38	1.000
1,1-Dichloroethene	NA	11/05/88	ND		5.38	1.000
1,1-Dichloroethane	NA	11/05/88	ND		5.38	1.000
1,2-Dichloroethene (total)	NA	11/05/88	ND		5.38	1.000
Chloroform	NA	11/05/88	ND		5.38	1.000
1,2-Dichloroethane	NA	11/05/88	ND		5.38	1.000
2-Butanone	NA	11/05/88	ND		10.76	1.000
1,1,1-Trichloroethane	NA	11/05/88	ND		5.38	1.000
Carbon Tetrachloride	NA	11/05/88	ND		5.38	1.000
Vinyl Acetate	NA	11/05/88	ND		10.76	1.000
Bromodichloromethane	NA	11/05/88	ND		5.38	1.000
1,1,2,2-Tetrachloroethane	NA	11/05/88	ND		5.38	1.000
1,2-Dichloropropane	NA	11/05/88	ND		5.38	1.000
cis-1,3-Dichloropropene	NA	11/05/88	ND		5.38	1.000
Trichloroethene	NA	11/05/88	ND		5.38	1.000
Dibromochloromethane	NA	11/05/88	ND		5.38	1.000
1,1,2-Trichloroethane	NA	11/05/88	ND		5.38	1.000
Benzene	NA	11/05/88	ND		5.38	1.000
trans-1,3-Dichloropropene	NA	11/05/88	ND		5.38	1.000
Bromoform	NA	11/05/88	ND		5.38	1.000
2-Hexanone	NA	11/05/88	ND		10.76	1.000
4-Methyl-2-pentanone	NA	11/05/88	ND		10.76	1.000
Tetrachloroethane	NA	11/05/88	ND		5.38	1.000
Toluene	NA	11/05/88	ND		5.38	1.000
Chlorobenzene	NA	11/05/88	ND		5.38	1.000
Ethyl Benzene	NA	11/05/88	ND		5.38	1.000
Styrene	NA	11/05/88	ND		5.38	1.000
Xylenes (Total)	NA	11/05/88	ND		5.38	1.000

ENGINEERING SCIENCE 135-07

C:R-02.08F

CUSTOMER ID: BC1-SB1-SS2-10-15

metaTRACE LAB ID: AA21320

SAMPLE DATE: 11/02/88

MATRIX: SOIL

CATEGORY: VOLATILES

METHOD: EPA 8240

UNITS: UG/KG

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PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	DIL
Chloromethane	NA	11/05/88	ND		10.56	1.000
Bromomethane	NA	11/05/88	ND		10.56	1.000
Vinyl Chloride	NA	11/05/88	ND		10.56	1.000
Chloroethane	NA	11/05/88	ND		10.56	1.000
Methylene Chloride	NA	11/05/88	ND		5.28	1.000
Acetone	NA	11/05/88	ND		10.56	1.000
Carbon Disulfide	NA	11/05/88	ND		5.28	1.000
1,1-Dichloroethane	NA	11/05/88	ND		5.28	1.000
1,1-Dichloroethane	NA	11/05/88	ND		5.28	1.000
1,2-Dichloroethane (total)	NA	11/05/88	ND		5.28	1.000
Chloroform	NA	11/05/88	ND		5.28	1.000
1,2-Dichloroethane	NA	11/05/88	ND		5.28	1.000
2-Butanone	NA	11/05/88	ND		10.56	1.000
1,1,1-Trichloroethane	NA	11/05/88	ND		5.28	1.000
Carbon Tetrachloride	NA	11/05/88	ND		5.28	1.000
Vinyl Acetate	NA	11/05/88	ND		10.56	1.000
Bromodichloromethane	NA	11/05/88	ND		5.28	1.000
1,1,2,2-Tetrachloroethane	NA	11/05/88	ND		5.28	1.000
1,2-Dichloropropene	NA	11/05/88	ND		5.28	1.000
cis-1,3-Dichloropropene	NA	11/05/88	ND		5.28	1.000
Trichloroethane	NA	11/05/88	ND		5.28	1.000
Dibromochloromethane	NA	11/05/88	ND		5.28	1.000
1,1,2-Trichloroethane	NA	11/05/88	ND		5.28	1.000
Benzene	NA	11/05/88	ND		5.28	1.000
trans-1,3-Dichloropropene	NA	11/05/88	ND		5.28	1.000
Bromoform	NA	11/05/88	ND		5.28	1.000
2-Hexanone	NA	11/05/88	ND		10.56	1.000
4-Methyl-2-pentanone	NA	11/05/88	ND		10.56	1.000
Tetrachloroethane	NA	11/05/88	ND		5.28	1.000
Toluene	NA	11/05/88	ND		5.28	1.000
Chlorobenzene	NA	11/05/88	ND		5.28	1.000
Ethyl Benzene	NA	11/05/88	ND		5.28	1.000
Styrene	NA	11/05/88	ND		5.28	1.000
Xylenes (Total)	NA	11/05/88	ND		5.28	1.000

ENGINEERING SCIENCE 135-07

C:\R-02.DBF

CUSTOMER ID: BC1-SB1-SS1-0-5

metaTRACE LAB ID: AA21319

SAMPLE DATE: 11/02/88

MATRIX: SOIL

CATEGORY: MISC.

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PARAMETER	METHOD	DATE EXT	DATE_AMA	CONC.	UNITS	ERR	DL	DIL
Percent Moisture	ASTM	NA	12/15/88	7.09	PRCNT	-		1.000

ENGINEERING SCIENCE 135-07

C:\R-02.DBF

CUSTOMER ID: BC1-SB1-SS2-10-15

metaTRACE LAB ID: AA21320

SAMPLE DATE: 11/02/88

MATRIX: SOIL

CATEGORY: MISC.

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PARAMETER	METHOD	DATE EXT	DATE_AMA	CONC.	UNITS	ERR	DL	OIL
Percent Moisture	ASTM	NA	12/15/88	5.31	PRCNT	-		1.000

ENGINEERING SCIENCE 135-07

C:\R-02.DBF

CUSTOMER ID: BC1-SB1-SS1-0-5

metTRACE LAB ID: AA21305

SAMPLE DATE: 11/02/88

MATRIX: SOIL

CATEGORY: MISC.

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PARAMETER	METHOD	DATE EXT	DATE_AMA	CONC.	UNITS	ERR	DL	DIL
Percent Moisture	ASTM	NA	12/15/88	12.12	PRCNT	-		1.000
Total Petroleum Hydrocarbons	EPA 418.1	NA	11/07/88	ND	UG/G		227.58	1.000

ENGINEERING SCIENCE 135-07

C:R-02.DBF

CUSTOMER ID: BC1-SB1-SS2-10-15

metaTRACE LAB ID: AA21306

SAMPLE DATE: 11/02/88

MATRIX: SOIL

CATEGORY: MISC.

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PARAMETER	METHOD	DATE EXT	DATE_AMA	CONC.	UNITS	ERR	DL	DIL
Percent Moisture	ASTM	NA	12/15/88	6.86	PERCENT	-	-	1.000
Total Petroleum Hydrocarbons	EPA 418.1	NA	11/07/88	ND	UG/G		214.73	1.000

ENGINEERING SCIENCE 135-07

C:R-02.DDF

CUSTOMER ID: BC1-SB2-SS1-0-5

metaTRACE LAB ID: AA21321

SAMPLE DATE: 11/02/88

MATRIX: SOIL

CATEGORY: VOLATILES

METHOD: EPA 8240

UNITS: UG/KG

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PARAMETER	DATE_EXT	DATE_AMA	CONC.	ERR	DL	DIL
Chloromethane	NA	11/05/88	ND		10.56	1.000
Bromomethane	NA	11/05/88	ND		10.56	1.000
Vinyl Chloride	NA	11/05/88	ND		10.56	1.000
Chloroethane	NA	11/05/88	ND		10.56	1.000
Methylene Chloride	NA	11/05/88	ND		5.28	1.000
Acetone	NA	11/05/88	ND		10.56	1.000
Carbon Disulfide	NA	11/05/88	ND		5.28	1.000
1,1-Dichloroethane	NA	11/05/88	ND		5.28	1.000
1,1-Dichloroethane	NA	11/05/88	ND		5.28	1.000
1,2-Dichloroethane (total)	NA	11/05/88	ND		5.28	1.000
Chloroform	NA	11/05/88	ND		5.28	1.000
1,2-Dichloroethane	NA	11/05/88	ND		5.28	1.000
2-Butanone	NA	11/05/88	ND		10.56	1.000
1,1,1-Trichloroethane	NA	11/05/88	ND		5.28	1.000
Carbon Tetrachloride	NA	11/05/88	ND		5.28	1.000
Vinyl Acetate	NA	11/05/88	ND		10.56	1.000
Bromodichloromethane	NA	11/05/88	ND		5.28	1.000
1,1,2,2-Tetrachloroethane	NA	11/05/88	ND		5.28	1.000
1,2-Dichloropropene	NA	11/05/88	ND		5.28	1.000
cis-1,3-Dichloropropene	NA	11/05/88	ND		5.28	1.000
Trichloroethane	NA	11/05/88	ND		5.28	1.000
Dibromochloromethane	NA	11/05/88	ND		5.28	1.000
1,1,2-Trichloroethane	NA	11/05/88	ND		5.28	1.000
Benzene	NA	11/05/88	ND		5.28	1.000
trans-1,3-Dichloropropene	NA	11/05/88	ND		5.28	1.000
Bromoform	NA	11/05/88	ND		5.28	1.000
2-Hexanone	NA	11/05/88	ND		10.56	1.000
4-Methyl-2-pentanone	NA	11/05/88	ND		10.56	1.000
Tetrachloroethane	NA	11/05/88	ND		5.28	1.000
Toluene	NA	11/05/88	ND		5.28	1.000
Chlorobenzene	NA	11/05/88	ND		5.28	1.000
Ethyl Benzene	NA	11/05/88	ND		5.28	1.000
Styrene	NA	11/05/88	ND		5.28	1.000
Xylenes (Total)	NA	11/05/88	ND		5.28	1.000

ENGINEERING SCIENCE 135-07

C:\R-02.DBF

CUSTOMER ID: BC1-SB2-SS2-5-10

metaTRACE LAB ID: AA21322

SAMPLE DATE: 11/02/88

MATRIX: SOIL

CATEGORY: VOLATILES

METHOD: EPA 8240

UNITS: UG/KG

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PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	DIL
Chloromethane	NA	11/05/88	ND		10.15	1.000
Bromomethane	NA	11/05/88	ND		10.15	1.000
Vinyl Chloride	NA	11/05/88	ND		10.15	1.000
Chloroethane	NA	11/05/88	ND		10.15	1.000
Methylene Chloride	NA	11/05/88	ND		5.07	1.000
Acetone	NA	11/05/88	ND		10.15	1.000
Carbon Disulfide	NA	11/05/88	ND		5.07	1.000
1,1-Dichloroethane	NA	11/05/88	ND		5.07	1.000
1,1-Dichloroethane	NA	11/05/88	ND		5.07	1.000
1,2-Dichloroethane (total)	NA	11/05/88	ND		5.07	1.000
Chloroform	NA	11/05/88	ND		5.07	1.000
1,2-Dichloroethane	NA	11/05/88	ND		5.07	1.000
2-Butanone	NA	11/05/88	ND		10.15	1.000
1,1,1-Trichloroethane	NA	11/05/88	ND		5.07	1.000
Carbon Tetrachloride	NA	11/05/88	ND		5.07	1.000
Vinyl Acetate	NA	11/05/88	ND		10.15	1.000
Bromodichloromethane	NA	11/05/88	ND		5.07	1.000
1,1,2,2-Tetrachloroethane	NA	11/05/88	ND		5.07	1.000
1,2-Dichloropropene	NA	11/05/88	ND		5.07	1.000
cis-1,3-Dichloropropene	NA	11/05/88	ND		5.07	1.000
Trichloroethene	NA	11/05/88	ND		5.07	1.000
Dibromochloromethane	NA	11/05/88	ND		5.07	1.000
1,1,2-Trichloroethane	NA	11/05/88	ND		5.07	1.000
Benzene	NA	11/05/88	ND		5.07	1.000
trans-1,3-Dichloropropene	NA	11/05/88	ND		5.07	1.000
Bromoform	NA	11/05/88	ND		5.07	1.000
2-Hexanone	NA	11/05/88	ND		10.15	1.000
4-Methyl-2-pentanone	NA	11/05/88	ND		10.15	1.000
Tetrachloroethane	NA	11/05/88	ND		5.07	1.000
Toluene	NA	11/05/88	ND		5.07	1.000
Chlorobenzene	NA	11/05/88	ND		5.07	1.000
Ethyl Benzene	NA	11/05/88	ND		5.07	1.000
Styrene	NA	11/05/88	ND		5.07	1.000
Xylenes (Total)	NA	11/05/88	ND		5.07	1.000

ENGINEERING SCIENCE 135-07

C:\R-02.DBF

CUSTOMER ID: 8C1-SB2-SS1-0-5

metaTRACE LAB ID: AA21321

SAMPLE DATE: 11/02/88

MATRIX: SOIL

CATEGORY: MISC.

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PARAMETER	METHOD	DATE EXT	DATE_AMA	CONC.	UNITS	ERR	DL	DIL
Percent Moisture	ASTM	NA	12/15/88	5.28	PRCNT	-		1.000

ENGINEERING SCIENCE 135-07

C:\R-02.D8F

CUSTOMER ID: BC1-S82-SS2-5-10

netaTRACE LAB ID: AA21322

SAMPLE DATE: 11/02/88

MATRIX: SOIL

CATEGORY: MISC.

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PARAMETER	METHOD	DATE EXT	DATE_ANA	CONC.	UNITS	ERR	DL	DIL
Percent Moisture	ASTM	NA	12/15/88	1.44	PRCNT	-		1.000

ENGINEERING SCIENCE 135-07

C:\R-02.DBF

CUSTOMER ID: BC1-S82-SS1-0-5

metaTRACE LAB ID: AA21307

SAMPLE DATE: 11/02/88

MATRIX: SOIL

CATEGORY: MISC.

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PARAMETER	METHOD	DATE EXT	DATE_ANA	CONC.	UNITS	ERR	DL	DIL
Percent Moisture	ASTM	NA	12/15/88	13.82	PRCNT	-		1.000
Total Petroleum Hydrocarbons	EPA 418.1	NA	11/07/88	ND	UG/G		232.07	1.000

ENGINEERING SCIENCE 135-07

C:\R-02.DBF

CUSTOMER ID: BC1-SB2-SS2-S-10

netaTRACE LAB ID: AA21308

SAMPLE DATE: 11/02/88

MATRIX: SOIL

CATEGORY: MISC.

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PARAMETER	METHOD	DATE EXT	DATE_ANA	CONC.	UNITS	ERR	DL	DIL
Percent Moisture	ASTM	NA	12/15/88	6.61	PRCNT	-		1.000
Total Petroleum Hydrocarbons	EPA 418.1	NA	11/07/88	ND	UG/G		214.16	1.000

ENGINEERING SCIENCE 135-07

C:R-02A.DBF

CUSTOMER ID: BC1-SB3-SS1-0-5

etaTRACE LAB ID: AA21324

SAMPLE DATE: 11/02/88

MATRIX: SOIL

CATEGORY: VOLATILES

METHOD: EPA 8240

UNITS: UG/KG

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PARAMETER	DATE_EXT	DATE_AMA	CONC.	ERR	DL	DIL
Chloromethane	NA	11/05/88	ND		10.38	1.000
Bromomethane	NA	11/05/88	ND		10.38	1.000
Vinyl Chloride	NA	11/05/88	ND		10.38	1.000
Chloroethane	NA	11/05/88	ND		10.38	1.000
Methylene Chloride	NA	11/05/88	ND		5.19	1.000
Acetone	NA	11/05/88	ND		10.38	1.000
Carbon Disulfide	NA	11/05/88	ND		5.19	1.000
1,1-Dichloroethane	NA	11/05/88	ND		5.19	1.000
1,1-Dichloroethane	NA	11/05/88	ND		5.19	1.000
1,2-Dichloroethane (total)	NA	11/05/88	ND		5.19	1.000
Chloroform	NA	11/05/88	ND		5.19	1.000
1,2-Dichloroethane	NA	11/05/88	ND		5.19	1.000
2-Butanone	NA	11/05/88	ND		10.38	1.000
1,1,1-Trichloroethane	NA	11/05/88	ND		5.19	1.000
Carbon Tetrachloride	NA	11/05/88	ND		5.19	1.000
Vinyl Acetate	NA	11/05/88	ND		10.38	1.000
Bromodichloromethane	NA	11/05/88	ND		5.19	1.000
1,1,2,2-Tetrachloroethane	NA	11/05/88	ND		5.19	1.000
1,2-Dichloropropane	NA	11/05/88	ND		5.19	1.000
cis-1,3-Dichloropropene	NA	11/05/88	ND		5.19	1.000
Trichloroethene	NA	11/05/88	ND		5.19	1.000
Dibromochloromethane	NA	11/05/88	ND		5.19	1.000
1,1,2-Trichloroethane	NA	11/05/88	ND		5.19	1.000
Benzene	NA	11/05/88	ND		5.19	1.000
trans-1,3-Dichloropropene	NA	11/05/88	ND		5.19	1.000
Bromoform	NA	11/05/88	ND		5.19	1.000
2-Hexanone	NA	11/05/88	ND		10.38	1.000
4-Methyl-2-pentanone	NA	11/05/88	ND		10.38	1.000
Tetrachloroethane	NA	11/05/88	ND		5.19	1.000
Toluene	NA	11/05/88	ND		5.19	1.000
Chlorobenzene	NA	11/05/88	ND		5.19	1.000
Ethyl Benzene	NA	11/05/88	ND		5.19	1.000
Styrene	NA	11/05/88	ND		5.19	1.000
Xylenes (Total)	NA	11/05/88	ND		5.19	1.000

ENGINEERING SCIENCE 135-07

C:\R-02A.DBF

CUSTOMER ID: BC1-SB3-SS2-10-15

metatrace LAB ID: AA21325

SAMPLE DATE: 11/02/88

MATRIX: SOIL

CATEGORY: VOLATILES

METHOD: EPA 8240

UNITS: UG/KG

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PARAMETER	DATE_EXT	DATE_AMA	CONC.	ERR	DL	DIL
Chloromethane	NA	11/05/88	ND		10.46	1.000
Bromomethane	NA	11/05/88	ND		10.46	1.000
Vinyl Chloride	NA	11/05/88	ND		10.46	1.000
Chloroethane	NA	11/05/88	ND		10.46	1.000
Methylene Chloride	NA	11/05/88	ND		5.23	1.000
Acetone	NA	11/05/88	ND		10.46	1.000
Carbon Disulfide	NA	11/05/88	ND		5.23	1.000
1,1-Dichloroethene	NA	11/05/88	ND		5.23	1.000
1,1-Dichloroethane	NA	11/05/88	ND		5.23	1.000
1,2-Dichloroethene (total)	NA	11/05/88	ND		5.23	1.000
Chloroform	NA	11/05/88	ND		5.23	1.000
1,2-Dichloroethane	NA	11/05/88	ND		5.23	1.000
2-Butanone	NA	11/05/88	ND		10.46	1.000
1,1,1-Trichloroethane	NA	11/05/88	ND		5.23	1.000
Carbon Tetrachloride	NA	11/05/88	ND		5.23	1.000
Vinyl Acetate	NA	11/05/88	ND		10.46	1.000
Bromodichloromethane	NA	11/05/88	ND		5.23	1.000
1,1,2,2-Tetrachloroethane	NA	11/05/88	ND		5.23	1.000
1,2-Dichloropropene	NA	11/05/88	ND		5.23	1.000
cis-1,3-Dichloropropene	NA	11/05/88	ND		5.23	1.000
Trichloroethene	NA	11/05/88	ND		5.23	1.000
Dibromochloromethane	NA	11/05/88	ND		5.23	1.000
1,1,2-Trichloroethane	NA	11/05/88	ND		5.23	1.000
Benzene	NA	11/05/88	ND		5.23	1.000
trans-1,3-Dichloropropene	NA	11/05/88	ND		5.23	1.000
Bromoform	NA	11/05/88	ND		5.23	1.000
2-Hexanone	NA	11/05/88	ND		10.46	1.000
4-Methyl-2-pentanone	NA	11/05/88	ND		10.46	1.000
Tetrachloroethane	NA	11/05/88	ND		5.23	1.000
Toluene	NA	11/05/88	ND		5.23	1.000
Chlorobenzene	NA	11/05/88	ND		5.23	1.000
Ethyl Benzene	NA	11/05/88	ND		5.23	1.000
Styrene	NA	11/05/88	ND		5.23	1.000
Xylenes (Total)	NA	11/05/88	ND		5.23	1.000

ENGINEERING SCIENCE 135-07

C:\R-02A.DBF

CUSTOMER ID: BC1-SB3-SS1-0-5

metaTRACE LAB ID: AA21324

SAMPLE DATE: 11/02/88

MATRIX: SOIL

CATEGORY: MISC.

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PARAMETER	METHOD	DATE EXT	DATE_AMA	CONC.	UNITS	ERR	DL	QIL
Percent Moisture	ASTM	NA	12/15/88	3.70	PRCNT	-		1.000

ENGINEERING SCIENCE 135-07

C:\R-02A.DBF

CUSTOMER ID: BC1-SR3-SS2-10-15

metaTRACE LAB ID: AA21325

SAMPLE DATE: 11/02/88

MATRIX: SOIL

CATEGORY: MISC.

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PARAMETER	METHOD	DATE EXT	DATE_ANA	CONC.	UNITS	ERR	DL	DIL
Percent Moisture	ASTM	NA	12/15/88	4.44	PRCNT	-		1.000

ENGINEERING SCIENCE 135-07

C:R-02.08F

CUSTOMER ID: BC1-SB3-SS1-0-5

metaTRACE LAB ID: AA21310

SAMPLE DATE: 11/02/88

MATRIX: SOIL

CATEGORY: MISC.

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PARAMETER	METHOD	DATE EXT	DATE_AMA	CONC.	UNITS	ERR	DL	DIL
Percent Moisture	ASTM	NA	12/15/88	11.91	PRCNT	-		1.000
Total Petroleum Hydrocarbons	EPA 418.1	NA	11/07/88	ND	UG/G		227.04	1.000

ENGINEERING SCIENCE 135-07

C:\R-02.DBF

CUSTOMER ID: BC1-SB3-SS2-10-15

ataTRACE LAB ID: AA21311

SAMPLE DATE: 11/02/88

MATRIX: SOIL

CATEGORY: MISC.

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PARAMETER	METHOD	DATE EXT	DATE_AMA	CONC.	UNITS	ERR	DL	DIL
Percent Moisture	ASTM	NA	12/15/88	4.18	PRCNT	-		1.000
Total Petroleum Hydrocarbons	EPA 418.1	NA	11/07/88	ND	US/G		208.72	1.000

ENGINEERING SCIENCE 135-07

C:\R-02A.DBF

CUSTOMER ID: BC1-SB4-SS1-0-5

metaTRACE LAB ID: AA21327

SAMPLE DATE: 11/02/88

MATRIX: SOIL

CATEGORY: VOLATILES

METHOD: EPA 8240

UNITS: UG/KG

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PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	DIL
Chloromethane	NA	11/07/88	ND		10.85	1.000
Bromomethane	NA	11/07/88	ND		10.85	1.000
Vinyl Chloride	NA	11/07/88	ND		10.85	1.000
Chloroethane	NA	11/07/88	ND		10.85	1.000
Methylene Chloride	NA	11/07/88	15.00	0	5.42	1.000
Acetone	NA	11/07/88	25.00		10.85	1.000
Carbon Disulfide	NA	11/07/88	ND		5.42	1.000
1,1-Dichloroethane	NA	11/07/88	ND		5.42	1.000
1,1-Dichloroethane	NA	11/07/88	ND		5.42	1.000
1,2-Dichloroethane (total)	NA	11/07/88	ND		5.42	1.000
Chloroform	NA	11/07/88	ND		5.42	1.000
1,2-Dichloroethane	NA	11/07/88	ND		5.42	1.000
2-Butanone	NA	11/07/88	ND		10.85	1.000
1,1,1-Trichloroethane	NA	11/07/88	ND		5.42	1.000
Carbon Tetrachloride	NA	11/07/88	ND		5.42	1.000
Vinyl Acetate	NA	11/07/88	ND		10.85	1.000
Bromodichloromethane	NA	11/07/88	ND		5.42	1.000
1,1,2,2-Tetrachloroethane	NA	11/07/88	ND		5.42	1.000
1,2-Dichloropropane	NA	11/07/88	ND		5.42	1.000
cis-1,3-Dichloropropane	NA	11/07/88	ND		5.42	1.000
Trichloroethane	NA	11/07/88	ND		5.42	1.000
Dibromochloromethane	NA	11/07/88	ND		5.42	1.000
1,1,2-Trichloroethane	NA	11/07/88	ND		5.42	1.000
Benzene	NA	11/07/88	ND		5.42	1.000
trans-1,3-Dichloropropane	NA	11/07/88	ND		5.42	1.000
Bromoform	NA	11/07/88	ND		5.42	1.000
2-Hexanone	NA	11/07/88	ND		10.85	1.000
4-Methyl-2-pentanone	NA	11/07/88	ND		10.85	1.000
Tetrachloroethane	NA	11/07/88	ND		5.42	1.000
Toluene	NA	11/07/88	ND		5.42	1.000
Chlorobenzene	NA	11/07/88	ND		5.42	1.000
Ethyl Benzene	NA	11/07/88	19.00		5.42	1.000
Styrene	NA	11/07/88	ND		5.42	1.000
Xylenes (Total)	NA	11/07/88	120.00		5.42	1.000

ENGINEERING SCIENCE 135-07

C:\R-02A.DBF

CUSTOMER ID: BC1-SB4-SS1-0-5

metaTRACE LAB ID: AA21327

SAMPLE DATE: 11/02/88

MATRIX: SOIL

CATEGORY: MISC.

Page No. 1
05/15/89

PARAMETER	METHOD	DATE EXT	DATE_ANA	CONC.	UNITS	ERR	DL	DIL
Percent Moisture	ASTM	NA	12/15/88	7.80	PRCNT	-		1.000

ENGINEERING SCIENCE 135-07

C:\R-02.DBF

CUSTOMER ID: BC1-SB4-SS1-0-5

etaTRACE LAB ID: AA21312

SAMPLE DATE: 11/02/88

MATRIX: SOIL

CATEGORY: MISC.

Page No. 1

05/15/89

PARAMETER	METHOD	DATE EXT	DATE_AMA	CONC.	UNITS	ERR	DL	DIL
Percent Moisture	ASTM	NA	12/15/88	7.32	PERCENT	-		1.000
Total Petroleum Hydrocarbons	EPA 418.1	NA	11/07/88	ND	UG/G		215.80	1.000

ENGINEERING SCIENCE 135-07

C:\R-02A.DBF

CUSTOMER ID: BC1-S85-SS1-0-5

ataTRACE LAB ID: AA21328

SAMPLE DATE: 11/02/88

MATRIX: SOIL

CATEGORY: VOLATILES

METHOD: EPA 8240

UNITS: UG/KG

Page No. 1

05/15/89

PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	DIL
Chloromethane	NA	11/08/88	ND		11.47	1.000
Bromomethane	NA	11/08/88	ND		11.47	1.000
Vinyl Chloride	NA	11/08/88	ND		11.47	1.000
Chloroethane	NA	11/08/88	ND		11.47	1.000
Methylene Chloride	NA	11/08/88	10.00	5	5.74	1.000
Acetone	NA	11/08/88	ND		11.47	1.000
Carbon Disulfide	NA	11/08/88	ND		5.74	1.000
1,1-Dichloroethane	NA	11/08/88	ND		5.74	1.000
1,1-Dichloroethane	NA	11/08/88	ND		5.74	1.000
1,2-Dichloroethane (total)	NA	11/08/88	ND		5.74	1.000
Chloroform	NA	11/08/88	ND		5.74	1.000
1,2-Dichloroethane	NA	11/08/88	ND		5.74	1.000
2-Butanone	NA	11/08/88	ND		11.47	1.000
1,1,1-Trichloroethane	NA	11/08/88	ND		5.74	1.000
Carbon Tetrachloride	NA	11/08/88	ND		5.74	1.000
Vinyl Acetate	NA	11/08/88	ND		11.47	1.000
Bromodichloromethane	NA	11/08/88	ND		5.74	1.000
1,1,2,2-Tetrachloroethane	NA	11/08/88	ND		5.74	1.000
1,2-Dichloropropane	NA	11/08/88	ND		5.74	1.000
cis-1,3-Dichloropropane	NA	11/08/88	ND		5.74	1.000
Trichloroethane	NA	11/08/88	ND		5.74	1.000
Dibromochloromethane	NA	11/08/88	ND		5.74	1.000
1,1,2-Trichloroethane	NA	11/08/88	ND		5.74	1.000
Benzene	NA	11/08/88	ND		5.74	1.000
trans-1,3-Dichloropropane	NA	11/08/88	ND		5.74	1.000
Bromoform	NA	11/08/88	ND		5.74	1.000
2-Hexanone	NA	11/08/88	ND		11.47	1.000
4-Methyl-2-pentanone	NA	11/08/88	ND		11.47	1.000
Tetrachloroethane	NA	11/08/88	ND		5.74	1.000
Toluene	NA	11/08/88	ND		5.74	1.000
Chlorobenzene	NA	11/08/88	ND		5.74	1.000
Ethyl Benzene	NA	11/08/88	ND		5.74	1.000
Styrene	NA	11/08/88	ND		5.74	1.000
Xylenes (Total)	NA	11/08/88	88.00		5.74	1.000

ENGINEERING SCIENCE 135-07

C:\R-02A.DBF

CUSTOMER ID: BC1-SB5-SS2-5-10

metaTRACE LAB ID: AA21329

SAMPLE DATE: 11/02/88

MATRIX: SOIL

CATEGORY: VOLATILES

METHOD: EPA 8240

UNITS: UG/KG

Page No. 1

05/15/89

PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	DIL
Chloromethane	NA	11/07/88	ND		11.16	1.000
Bromomethane	NA	11/07/88	ND		11.16	1.000
Vinyl Chloride	NA	11/07/88	ND		11.16	1.000
Chloroethane	NA	11/07/88	ND		11.16	1.000
Methylene Chloride	NA	11/07/88	15.00	8	5.58	1.000
Acetone	NA	11/07/88	31.00		11.16	1.000
Carbon Disulfide	NA	11/07/88	ND		5.58	1.000
1,1-Dichloroethane	NA	11/07/88	ND		5.58	1.000
1,1-Dichloroethane	NA	11/07/88	ND		5.58	1.000
1,2-Dichloroethane (total)	NA	11/07/88	ND		5.58	1.000
Chloroform	NA	11/07/88	ND		5.58	1.000
1,2-Dichloroethane	NA	11/07/88	ND		5.58	1.000
2-Butanone	NA	11/07/88	ND		11.16	1.000
1,1,1-Trichloroethane	NA	11/07/88	ND		5.58	1.000
Carbon Tetrachloride	NA	11/07/88	ND		5.58	1.000
Vinyl Acetate	NA	11/07/88	ND		11.16	1.000
Bromodichloromethane	NA	11/07/88	ND		5.58	1.000
1,1,2,2-Tetrachloroethane	NA	11/07/88	ND		5.58	1.000
1,2-Dichloropropane	NA	11/07/88	ND		5.58	1.000
cis-1,3-Dichloropropene	NA	11/07/88	ND		5.58	1.000
Trichloroethene	NA	11/07/88	ND		5.58	1.000
Dibromochloromethane	NA	11/07/88	ND		5.58	1.000
1,1,2-Trichloroethane	NA	11/07/88	ND		5.58	1.000
Benzene	NA	11/07/88	ND		5.58	1.000
trans-1,3-Dichloropropene	NA	11/07/88	ND		5.58	1.000
Bromoform	NA	11/07/88	ND		5.58	1.000
2-Hexanone	NA	11/07/88	ND		11.16	1.000
4-Methyl-2-pentanone	NA	11/07/88	ND		11.16	1.000
Tetrachloroethene	NA	11/07/88	ND		5.58	1.000
Toluene	NA	11/07/88	ND		5.58	1.000
Chlorobenzene	NA	11/07/88	ND		5.58	1.000
Ethyl Benzene	NA	11/07/88	16.00		5.58	1.000
Styrene	NA	11/07/88	ND		5.58	1.000
Xylenes (Total)	NA	11/07/88	90.00		5.58	1.000

ENGINEERING SCIENCE 135-07

C:R-02A.DBF

CUSTOMER ID: BC1-S85-SS1-0-5

metaTRACE LAB ID: AA21328

SAMPLE DATE: 11/02/88

MATRIX: SOIL

CATEGORY: MISC.

Page No. 1
05/15/89

PARAMETER	METHOD	DATE EXT	DATE_AMA	CONC.	UNITS	ERR	DL	DIL
Percent Moisture	ASTM	NA	12/15/88	12.85	PRCNT	-		1.000

ENGINEERING SCIENCE 135-07

C:\R-02A.DBF

CUSTOMER ID: BC1-S85-S82-S-10

metaTRACE LAB ID: AA21329

SAMPLE DATE: 11/02/88

MATRIX: SOIL

CATEGORY: MISC.

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05/15/89

PARAMETER	METHOD	DATE EXT	DATE_AMA	CONC.	UNITS	ERR	DL	DIL
Percent Moisture	ASTM	NA	12/15/88	10.40	PRCNT	-		1.000

ENGINEERING SCIENCE 135-07

C:\R-02.DBF

CUSTOMER ID: BC1-S85-SS1-0-5

metaTRACE LAB ID: AA21313

SAMPLE DATE: 11/02/88

MATRIX: SOIL

CATEGORY: MISC.

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PARAMETER	METHOD	DATE EXT	DATE_AMA	CONC.	UNITS	ERR	DL	DIL
Percent Moisture	ASTM	NA	12/15/88	16.20	PRCNT	-		1.000
Total Petroleum Hydrocarbons	EPA 418.1	NA	11/07/88	822.06	UG/G		238.66	1.000

ENGINEERING SCIENCE 135-07

C:R-02.DBF

CUSTOMER ID: BC1-SB5-SS2-5-10

metaTRACE LAB ID: AA21314

SAMPLE DATE: 11/02/88

MATRIX: SOIL

CATEGORY: MISC.

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 05/15/89

PARAMETER	METHOD	DATE EXT	DATE_ANA	CONC.	UNITS	ERR	DL	DIL
Percent Moisture	ASTM	NA	12/15/88	11.78	PRCNT	-		1.000
Total Petroleum Hydrocarbons	EPA 418.1	NA	11/07/88	ND	UG/G		226.71	1.000

ENGINEERING SCIENCE 135-07

C:\R-028.DBF

CUSTOMER ID: BC1-SB4-SS1-0-5

metaTRACE LAB ID: AA21331

SAMPLE DATE: 11/02/88

MATRIX: SOIL

CATEGORY: VOLATILES

METHOD: EPA 8240

UNITS: UG/KG

Page No. 1
05/15/89

PARAMETER	DATE_EXT	DATE_AMA	CONC.	ERR	DL	DIL
Chloromethane	NA	11/08/88	ND		11.03	1.000
Bromomethane	NA	11/08/88	ND		11.03	1.000
Vinyl Chloride	NA	11/08/88	ND		11.03	1.000
Chloroethane	NA	11/08/88	ND		11.03	1.000
Methylene Chloride	NA	11/08/88	15.00	8	5.52	1.000
Acetone	NA	11/08/88	ND		11.03	1.000
Carbon Disulfide	NA	11/08/88	ND		5.52	1.000
1,1-Dichloroethane	NA	11/08/88	ND		5.52	1.000
1,1-Dichloroethane	NA	11/08/88	ND		5.52	1.000
1,2-Dichloroethane (total)	NA	11/08/88	ND		5.52	1.000
Chloroform	NA	11/08/88	ND		5.52	1.000
1,2-Dichloroethane	NA	11/08/88	ND		5.52	1.000
2-Butanone	NA	11/08/88	ND		11.03	1.000
1,1,1-Trichloroethane	NA	11/08/88	ND		5.52	1.000
Carbon Tetrachloride	NA	11/08/88	ND		5.52	1.000
Vinyl Acetate	NA	11/08/88	ND		11.03	1.000
Bromodichloromethane	NA	11/08/88	ND		5.52	1.000
1,1,2,2-Tetrachloroethane	NA	11/08/88	ND		5.52	1.000
1,2-Dichloropropane	NA	11/08/88	ND		5.52	1.000
cis-1,3-Dichloropropene	NA	11/08/88	ND		5.52	1.000
Trichloroethane	NA	11/08/88	ND		5.52	1.000
Dibromochloromethane	NA	11/08/88	ND		5.52	1.000
1,1,2-Trichloroethane	NA	11/08/88	ND		5.52	1.000
Benzene	NA	11/08/88	ND		5.52	1.000
trans-1,3-Dichloropropene	NA	11/08/88	ND		5.52	1.000
Bromoform	NA	11/08/88	ND		5.52	1.000
2-Hexanone	NA	11/08/88	150.00		11.03	1.000
4-Methyl-2-pentanone	NA	11/08/88	ND		11.03	1.000
Tetrachloroethane	NA	11/08/88	ND		5.52	1.000
Toluene	NA	11/08/88	ND		5.52	1.000
Chlorobenzene	NA	11/08/88	ND		5.52	1.000
Ethyl Benzene	NA	11/08/88	ND		5.52	1.000
Styrene	NA	11/08/88	ND		5.52	1.000
Xylenes (Total)	NA	11/08/88	55500.00		275.79	50.000

ENGINEERING SCIENCE 135-07

C:\R-02B.DBF

CUSTOMER ID: BC1-S86-SS2-5-10

aTRACE LAB ID: AA21332

SAMPLE DATE: 11/02/88

MATRIX: SOIL

CATEGORY: VOLATILES

METHOD: EPA 8240

UNITS: UG/KG

Page No. 1

05/15/89

PARAMETER	DATE_EXT	DATE_AMA	CONC.	ERR	DL	DIL
Chloromethane	NA	11/08/88	ND		10.64	1.000
Bromomethane	NA	11/08/88	ND		10.64	1.000
Vinyl Chloride	NA	11/08/88	ND		10.64	1.000
Chloroethane	NA	11/08/88	ND		10.64	1.000
Methylene Chloride	NA	11/08/88	13.00	0	5.32	1.000
Acetone	NA	11/08/88	20.00		10.64	1.000
Carbon Disulfide	NA	11/08/88	ND		5.32	1.000
1,1-Dichloroethane	NA	11/08/88	ND		5.32	1.000
1,1-Dichloroethane	NA	11/08/88	ND		5.32	1.000
1,2-Dichloroethane (total)	NA	11/08/88	ND		5.32	1.000
Chloroform	NA	11/08/88	ND		5.32	1.000
1,2-Dichloroethane	NA	11/08/88	ND		5.32	1.000
2-Butanone	NA	11/08/88	ND		10.64	1.000
1,1,1-Trichloroethane	NA	11/08/88	ND		5.32	1.000
Carbon Tetrachloride	NA	11/08/88	ND		5.32	1.000
Vinyl Acetate	NA	11/08/88	ND		10.64	1.000
Bromodichloromethane	NA	11/08/88	ND		5.32	1.000
1,1,2,2-Tetrachloroethane	NA	11/08/88	ND		5.32	1.000
1,2-Dichloropropene	NA	11/08/88	ND		5.32	1.000
cis-1,3-Dichloropropene	NA	11/08/88	ND		5.32	1.000
Trichloroethene	NA	11/08/88	ND		5.32	1.000
Dibromochloromethane	NA	11/08/88	ND		5.32	1.000
1,1,2-Trichloroethane	NA	11/08/88	ND		5.32	1.000
Benzene	NA	11/08/88	ND		5.32	1.000
trans-1,3-Dichloropropene	NA	11/08/88	ND		5.32	1.000
Bromoform	NA	11/08/88	ND		5.32	1.000
2-Hexanone	NA	11/08/88	ND		10.64	1.000
4-Methyl-2-pentanone	NA	11/08/88	ND		10.64	1.000
Tetrachloroethane	NA	11/08/88	ND		5.32	1.000
Toluene	NA	11/08/88	ND		5.32	1.000
Chlorobenzene	NA	11/08/88	ND		5.32	1.000
Ethyl Benzene	NA	11/08/88	ND		5.32	1.000
Styrene	NA	11/08/88	ND		5.32	1.000
Xylenes (Total)	NA	11/08/88	ND		5.32	1.000

ENGINEERING SCIENCE 135-07

C:\R-028.DBF

CUSTOMER ID: BC1-SB6-SS3-10-15

metaTRACE LAB ID: AA21333

SAMPLE DATE: 11/02/88

MATRIX: SOIL

CATEGORY: VOLATILES

METHOD: EPA 8240

UNITS: UG/KG

Page No. 1

05/15/89

PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	DIL
Chloromethane	NA	11/09/88	ND		10.42	1.000
Bromomethane	NA	11/09/88	ND		10.42	1.000
Vinyl Chloride	NA	11/09/88	ND		10.42	1.000
Chloroethane	NA	11/09/88	ND		10.42	1.000
Methylene Chloride	NA	11/09/88	14.00	5	5.21	1.000
Acetone	NA	11/09/88	29.00	5	10.42	1.000
Carbon Disulfide	NA	11/09/88	ND		5.21	1.000
1,1-Dichloroethene	NA	11/09/88	ND		5.21	1.000
1,1-Dichloroethane	NA	11/09/88	ND		5.21	1.000
1,2-Dichloroethane (total)	NA	11/09/88	ND		5.21	1.000
Chloroform	NA	11/09/88	ND		5.21	1.000
1,2-Dichloroethane	NA	11/09/88	ND		5.21	1.000
2-Butanone	NA	11/09/88	ND		10.42	1.000
1,1,1-Trichloroethane	NA	11/09/88	ND		5.21	1.000
Carbon Tetrachloride	NA	11/09/88	ND		5.21	1.000
Vinyl Acetate	NA	11/09/88	ND		10.42	1.000
Bromodichloromethane	NA	11/09/88	ND		5.21	1.000
1,1,2,2-Tetrachloroethane	NA	11/09/88	ND		5.21	1.000
1,2-Dichloropropane	NA	11/09/88	ND		5.21	1.000
cis-1,3-Dichloropropene	NA	11/09/88	ND		5.21	1.000
Trichloroethene	NA	11/09/88	ND		5.21	1.000
Dibromochloromethane	NA	11/09/88	ND		5.21	1.000
1,1,2-Trichloroethane	NA	11/09/88	ND		5.21	1.000
Benzene	NA	11/09/88	ND		5.21	1.000
trans-1,3-Dichloropropene	NA	11/09/88	ND		5.21	1.000
Bromoform	NA	11/09/88	ND		5.21	1.000
2-Hexanone	NA	11/09/88	ND		10.42	1.000
4-Methyl-2-pentanone	NA	11/09/88	ND		10.42	1.000
Tetrachloroethane	NA	11/09/88	ND		5.21	1.000
Toluene	NA	11/09/88	ND		5.21	1.000
Chlorobenzene	NA	11/09/88	ND		5.21	1.000
Ethyl Benzene	NA	11/09/88	ND		5.21	1.000
Styrene	NA	11/09/88	ND		5.21	1.000
Xylenes (Total)	NA	11/09/88	ND		5.21	1.000

ENGINEERING SCIENCE 135-07
C:\R-02B.DBF
CUSTOMER ID: BC1-SB6-SS1-0-5
metaTRACE LAB ID: AA21331
SAMPLE DATE: 11/02/88
MATRIX: SOIL
CATEGORY: MISC.
Page No. 1
05/15/89

PARAMETER	METHOD	DATE EXT	DATE_AMA	CONC.	UNITS	ERR	DL	DIL
Percent Moisture	ASTM	NA	12/15/88	9.35	PRCNT	-		1.000

ENGINEERING SCIENCE 135-07

C:\R-02B.DBF

CUSTOMER ID: BC1-S86-SS2-5-10

metaTRACE LAB ID: AA21332

SAMPLE DATE: 11/02/88

MATRIX: SOIL

CATEGORY: MISC.

Page No. 1
05/15/89

PARAMETER	METHOD	DATE EXT	DATE_AMA	CONC.	UNITS	ERR	DL	DIL
Percent Moisture	ASTM	NA	12/15/88	6.01	PRCNT	-		1.000

ENGINEERING SCIENCE 135-07

C:R-02.DBF

CUSTOMER ID: SC1-SB6-SS1-0-5

metaTRACE LAB ID: AA21316

SAMPLE DATE: 11/02/88

MATRIX: SOIL

CATEGORY: MISC.

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05/15/89

PARAMETER	METHOD	DATE EXT	DATE_AMA	CONC.	UNITS	ERR	DL	DIL
Percent Moisture	ASTM	NA	12/15/88	3.95	PRCNT	-		1.000
Total Petroleum Hydrocarbons	EPA 418.1	NA	11/07/88	11617.80	UG/KG		2082.25	10.000

ENGINEERING SCIENCE 133-07

U:\MARC2.DOF

CUSTOMER ID: BC1-886-882-5-10

metaTRACE LAB ID: AA21317

SAMPLE DATE: 11/02/88

MATRIX: SOIL

CATEGORY: MISC.

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08/03/89

PARAMETER	METHOD	DATE EXT	DATE_AMA	CONC.	UNITS	ERR	DL	DIL
Percent Moisture	ASTM	NA	12/15/88	7.98	PERCENT	-	-	1.000
Total Petroleum Hydrocarbons	EPA 418.1	NA	11/07/88	1254.94	UG/G	217.34	-	1.000

ENGINEERING SCIENCE 135-07

W:\MARC2.DBF

CUSTOMER ID: BC1-986-S83-10-15

metaTRACE LAB ID: AA21318

SAMPLE DATE: 11/02/88

MATRIX: SOIL

CATEGORY: MISC.

Page No. 1
08/03/89

PARAMETER	METHOD	DATE EXT	DATE_ANA	CONC.	UNITS	ERR	DL	QIL
Percent Moisture	ASTM	NA	12/15/88	8.98	PERCENT	-		1.000
Total Petroleum Hydrocarbons	EPA 418.1	NA	11/07/88	ND	UG/G		219.73	1.000

ENGINEERING SCIENCE 135-07

C:\R-02B.D0F

CUSTOMER ID: BC1-SB7-SS1-0-5

ataTRACE LAB ID: AA21335

SAMPLE DATE: 11/02/88

MATRIX: SOIL

CATEGORY: VOLATILES

METHOD: EPA 8240

UNITS: UG/KG

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05/15/89

PARAMETER	DATE_EXT	DATE_AMA	CONC.	ERR	DL	DIL
Chloromethane	NA	11/09/88	ND		11.38	1.000
Bromomethane	NA	11/09/88	ND		11.38	1.000
Vinyl Chloride	NA	11/09/88	ND		11.38	1.000
Chloroethane	NA	11/09/88	ND		11.38	1.000
Methylene Chloride	NA	11/09/88	17.00	0	5.69	1.000
Acetone	NA	11/09/88	25.00	0	11.38	1.000
Carbon Disulfide	NA	11/09/88	ND		5.69	1.000
1,1-Dichloroethane	NA	11/09/88	ND		5.69	1.000
1,1-Dichloroethane	NA	11/09/88	ND		5.69	1.000
1,2-Dichloroethane (total)	NA	11/09/88	ND		5.69	1.000
Chloroform	NA	11/09/88	ND		5.69	1.000
1,2-Dichloroethane	NA	11/09/88	ND		5.69	1.000
2-Butanone	NA	11/09/88	ND		11.38	1.000
1,1,1-Trichloroethane	NA	11/09/88	ND		5.69	1.000
Carbon Tetrachloride	NA	11/09/88	ND		5.69	1.000
Vinyl Acetate	NA	11/09/88	ND		11.38	1.000
Bromodichloromethane	NA	11/09/88	ND		5.69	1.000
1,1,2,2-Tetrachloroethane	NA	11/09/88	ND		5.69	1.000
1,2-Dichloropropane	NA	11/09/88	ND		5.69	1.000
cis-1,3-Dichloropropane	NA	11/09/88	ND		5.69	1.000
Trichloroethane	NA	11/09/88	ND		5.69	1.000
Dibromochloromethane	NA	11/09/88	ND		5.69	1.000
1,1,2-Trichloroethane	NA	11/09/88	ND		5.69	1.000
Benzene	NA	11/09/88	ND		5.69	1.000
trans-1,3-Dichloropropane	NA	11/09/88	ND		5.69	1.000
Bromoform	NA	11/09/88	ND		5.69	1.000
2-Hexanone	NA	11/09/88	ND		11.38	1.000
4-Methyl-2-pentanone	NA	11/09/88	ND		11.38	1.000
Tetrachloroethane	NA	11/09/88	ND		5.69	1.000
Toluene	NA	11/09/88	ND		5.69	1.000
Chlorobenzene	NA	11/09/88	ND		5.69	1.000
Ethyl Benzene	NA	11/09/88	ND		5.69	1.000
Styrene	NA	11/09/88	ND		5.69	1.000
Xylenes (Total)	NA	11/09/88	ND		5.69	1.000

ENGINEERING SCIENCE 135-07

C:\R-02C.DBF

CUSTOMER ID: BC1-S87-SS2-10-15

netaTRACE LAB ID: AA21336

SAMPLE DATE: 11/02/88

MATRIX: SOIL

CATEGORY: VOLATILES

METHOD: EPA 8240

UNITS: UG/KG

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05/15/89

PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	DIL
Chloromethane	NA	11/09/88	ND		10.26	1.000
Bromomethane	NA	11/09/88	ND		10.26	1.000
Vinyl Chloride	NA	11/09/88	ND		10.26	1.000
Chloroethane	NA	11/09/88	ND		10.26	1.000
Methylene Chloride	NA	11/09/88	10.00	—	5.13	1.000
Acetone	NA	11/09/88	ND		10.26	1.000
Carbon Disulfide	NA	11/09/88	ND		5.13	1.000
1,1-Dichloroethane	NA	11/09/88	ND		5.13	1.000
1,1-Dichloroethane	NA	11/09/88	ND		5.13	1.000
1,2-Dichloroethane (total)	NA	11/09/88	ND		5.13	1.000
Chloroform	NA	11/09/88	ND		5.13	1.000
1,2-Dichloroethane	NA	11/09/88	ND		5.13	1.000
2-Butanone	NA	11/09/88	ND		10.26	1.000
1,1,1-Trichloroethane	NA	11/09/88	ND		5.13	1.000
Carbon Tetrachloride	NA	11/09/88	ND		5.13	1.000
Vinyl Acetate	NA	11/09/88	ND		10.26	1.000
Bromodichloromethane	NA	11/09/88	ND		5.13	1.000
1,1,2,2-Tetrachloroethane	NA	11/09/88	ND		5.13	1.000
1,2-Dichloropropane	NA	11/09/88	ND		5.13	1.000
cis-1,3-Dichloropropane	NA	11/09/88	ND		5.13	1.000
Trichloroethane	NA	11/09/88	ND		5.13	1.000
Dibromochloromethane	NA	11/09/88	ND		5.13	1.000
1,1,2-Trichloroethane	NA	11/09/88	ND		5.13	1.000
Benzene	NA	11/09/88	ND		5.13	1.000
trans-1,3-Dichloropropane	NA	11/09/88	ND		5.13	1.000
Bromoform	NA	11/09/88	ND		5.13	1.000
2-Hexanone	NA	11/09/88	ND		10.26	1.000
4-Methyl-2-pentanone	NA	11/09/88	ND		10.26	1.000
Tetrachloroethane	NA	11/09/88	ND		5.13	1.000
Toluene	NA	11/09/88	ND		5.13	1.000
Chlorobenzene	NA	11/09/88	ND		5.13	1.000
Ethyl Benzene	NA	11/09/88	ND		5.13	1.000
Styrene	NA	11/09/88	ND		5.13	1.000
Xylenes (Total)	NA	11/09/88	ND		5.13	1.000

ENGINEERING SCIENCE 135-07

C:\N-028.DBF

CUSTOMER ID: BC1-S87-SS1-0-5

etaTRACE LAB ID: AA21335

SAMPLE DATE: 11/02/88

MATRIX: SOIL

CATEGORY: MISC.

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05/15/89

PARAMETER	METHOD	DATE EXT	DATE_AMA	CONC.	UNITS	ERR	DL	DIL
Percent Moisture	ASTM	NA	12/15/88	12.15	PCNT	-		1.000

ENGINEERING SCIENCE 135-07

C:\R-02C.DBF

CUSTOMER ID: BC1-987-SS2-10-15

metaTRACE LAB ID: AA21336

SAMPLE DATE: 11/02/88

MATRIX: SOIL

CATEGORY: MISC.

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PARAMETER	METHOD	DATE EXT	DATE_AMA	CONC.	UNITS	ERR	DL	DIL
Percent Moisture	ASTM	NA	12/15/88	2.50	PRCNT	-		1.000

ENGINEERING SCIENCE 135-07

C:\R-02.DBF

CUSTOMER ID: BC1-SB7-SS1-0-5

metaTRACE LAB ID: AA21296

SAMPLE DATE: 11/02/88

MATRIX: SOIL

CATEGORY: MISC.

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05/15/89

PARAMETER	METHOD	DATE EXT	DATE_ANA	CONC.	UNITS	ERR	DL	DIL
Percent Moisture	ASTM	NA	12/15/88	8.87	PRCNT	-	-	1.000
Total Petroleum Hydrocarbons	EPA 418.1	NA	11/07/88	ND	UG/G	-	21.95	1.000

ENGINEERING SCIENCE 135-07

C:\R-02.DBF

CUSTOMER ID: BC1-SB7-SS2-10-15

metaTRACE LAB ID: AA21297

SAMPLE DATE: 11/02/88

MATRIX: SOIL

CATEGORY: MISC.

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PARAMETER	METHOD	DATE EXT	DATE_ANA	CONC.	UNITS	ERR	DL	DIL
Percent Moisture	ASTM	NA	12/15/88	3.34	PRCNT	-		1.000
Total Petroleum Hydrocarbons	EPA 418.1	NA	11/07/88	ND	UG/G		206.91	1.000

ENGINEERING SCIENCE 135-07

C:\R-02C.D8F

CUSTOMER ID: BC1-S88-SS1-0-5

metaTRACE LAB ID: AA21337

SAMPLE DATE: 11/02/88

MATRIX: SOIL

CATEGORY: VOLATILES

METHOD: EPA 8240

UNITS: UG/KG

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PARAMETER	DATE_EXT	DATE_AMA	CONC.	ERR	DL	DIL
Chloromethane	NA	11/08/88	ND		10.86	1.000
Bromomethane	NA	11/08/88	ND		10.86	1.000
Vinyl Chloride	NA	11/08/88	ND		10.86	1.000
Chloroethane	NA	11/08/88	ND		10.86	1.000
Methylene Chloride	NA	11/08/88	16.00	5	5.43	1.000
Acetone	NA	11/08/88	22.00		10.86	1.000
Carbon Disulfide	NA	11/08/88	ND		5.43	1.000
1,1-Dichloroethane	NA	11/08/88	ND		5.43	1.000
1,1-Dichloroethane	NA	11/08/88	ND		5.43	1.000
1,2-Dichloroethane (total)	NA	11/08/88	ND		5.43	1.000
Chloroform	NA	11/08/88	ND		5.43	1.000
1,2-Dichloroethane	NA	11/08/88	ND		5.43	1.000
2-Butanone	NA	11/08/88	ND		10.86	1.000
1,1,1-Trichloroethane	NA	11/08/88	ND		5.43	1.000
Carbon Tetrachloride	NA	11/08/88	ND		5.43	1.000
Vinyl Acetate	NA	11/08/88	ND		10.86	1.000
Bromodichloromethane	NA	11/08/88	ND		5.43	1.000
1,1,2,2-Tetrachloroethane	NA	11/08/88	ND		5.43	1.000
1,2-Dichloropropane	NA	11/08/88	ND		5.43	1.000
cis-1,3-Dichloropropene	NA	11/08/88	ND		5.43	1.000
Trichloroethane	NA	11/08/88	ND		5.43	1.000
Dibromochloromethane	NA	11/08/88	ND		5.43	1.000
1,1,2-Trichloroethane	NA	11/08/88	ND		5.43	1.000
Benzene	NA	11/08/88	ND		5.43	1.000
trans-1,3-Dichloropropene	NA	11/08/88	ND		5.43	1.000
Bromoform	NA	11/08/88	ND		5.43	1.000
2-Hexanone	NA	11/08/88	ND		10.86	1.000
4-Methyl-2-pentanone	NA	11/08/88	ND		10.86	1.000
Tetrachloroethane	NA	11/08/88	ND		5.43	1.000
Toluene	NA	11/08/88	ND		5.43	1.000
Chlorobenzene	NA	11/08/88	ND		5.43	1.000
Ethyl Benzene	NA	11/08/88	ND		5.43	1.000
Styrene	NA	11/08/88	ND		5.43	1.000
Xylenes (Total)	NA	11/08/88	ND		5.43	1.000

ENGINEERING SCIENCE 135-07

C:\R-02C.DBF

CUSTOMER ID: 8C1-S88-SS2-10-15

metaTRACE LAB ID: AA21338

SAMPLE DATE: 11/02/88

MATRIX: SOIL

CATEGORY: VOLATILES

METHOD: EPA 8240

UNITS: UG/KG

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05/15/89

PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	OIL
Chloromethane	NA	11/09/88	ND		10.58	1.000
Bromomethane	NA	11/09/88	ND		10.58	1.000
Vinyl Chloride	NA	11/09/88	ND		10.58	1.000
Chloroethane	NA	11/09/88	ND		10.58	1.000
Methylene Chloride	NA	11/09/88	18.00	0	5.29	1.000
Acetone	NA	11/09/88	71.00	0	10.58	1.000
Carbon Disulfide	NA	11/09/88	ND		5.29	1.000
1,1-Dichloroethane	NA	11/09/88	ND		5.29	1.000
1,1-Dichloroethane	NA	11/09/88	ND		5.29	1.000
1,2-Dichloroethane (total)	NA	11/09/88	ND		5.29	1.000
Chloroform	NA	11/09/88	ND		5.29	1.000
1,2-Dichloroethane	NA	11/09/88	ND		5.29	1.000
2-Butanone	NA	11/09/88	ND		10.58	1.000
1,1,1-Trichloroethane	NA	11/09/88	ND		5.29	1.000
Carbon Tetrachloride	NA	11/09/88	ND		5.29	1.000
Vinyl Acetate	NA	11/09/88	ND		10.58	1.000
Bromodichloromethane	NA	11/09/88	ND		5.29	1.000
1,1,2,2-Tetrachloroethane	NA	11/09/88	ND		5.29	1.000
1,2-Dichloropropane	NA	11/09/88	ND		5.29	1.000
cis-1,3-Dichloropropene	NA	11/09/88	ND		5.29	1.000
Trichloroethane	NA	11/09/88	ND		5.29	1.000
Dibromochloromethane	NA	11/09/88	ND		5.29	1.000
1,1,2-Trichloroethane	NA	11/09/88	ND		5.29	1.000
Benzene	NA	11/09/88	ND		5.29	1.000
trans-1,3-Dichloropropene	NA	11/09/88	ND		5.29	1.000
Bromoform	NA	11/09/88	ND		5.29	1.000
2-Hexanone	NA	11/09/88	ND		10.58	1.000
4-Methyl-2-pentanone	NA	11/09/88	ND		10.58	1.000
Tetrachloroethane	NA	11/09/88	ND		5.29	1.000
Toluene	NA	11/09/88	ND		5.29	1.000
Chlorobenzene	NA	11/09/88	ND		5.29	1.000
Ethyl Benzene	NA	11/09/88	150.00	0	5.29	1.000
Styrene	NA	11/09/88	ND		5.29	1.000
Xylenes (Total)	NA	11/09/88	3000.00	0	5.29	1.000

ENGINEERING SCIENCE 135-07

C:\R-02C.DBP

CUSTOMER ID: BC1-S88-SS1-0-5

metaTRACE LAB ID: AA21337

SAMPLE DATE: 11/02/88

MATRIX: SOIL

CATEGORY: MISC.

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05/15/89

PARAMETER	METHOD	DATE EXT	DATE_ANA	CONC.	UNITS	ERR	DL	OIL
Percent Moisture	ASTM	NA	12/15/88	7.90	PRCT	-		1.000

ENGINEERING SCIENCE 135-07

C:\R-02C.DBF

CUSTOMER ID: BC1-S88-SS2-10-15

metaTRACE LAB ID: AA21338

SAMPLE DATE: 11/02/88

MATRIX: SOIL

CATEGORY: MISC.

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05/15/89

PARAMETER	METHOD	DATE EXT	DATE_AMA	CONC.	UNITS	ERR	DL	DIL
Percent Moisture	ASTM	NA	12/15/88	5.49	PRCNT	-		1.000

ENGINEERING SCIENCE 135-07
C:R-02.00F
CUSTOMER ID: 8C1-S28-SS1-0-5
metaTRACE LAB ID: AA21298
SAMPLE DATE: 11/02/88
MATRIX: SOIL
CATEGORY: MISC.
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PARAMETER	METHOD	DATE EXT	DATE_AMA	CONC.	UNITS	ERR	DL	DIL
Percent Moisture	ASTM	NA	12/15/88	9.45	PRCNT	-		1.000
Total Petroleum Hydrocarbons	EPA 418.1	NA	11/07/88	4990.96	UG/G		220.87	1.000

ENGINEERING SCIENCE 135-07

C:R-02.DBF

CUSTOMER ID: 8C1-S88-SS2-10-15

metaTRACE LAB ID: AA21299

SAMPLE DATE: 11/02/88

MATRIX: SOIL

CATEGORY: MISC.

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PARAMETER	METHOD	DATE EXT	DATE_ANA	CONC.	UNITS	ERR	DL	DIL
Percent Moisture	ASTM	NA	12/15/88	6.90	PRCNT	-		1.000
Total Petroleum Hydrocarbons	EPA 418.1	NA	11/07/88	ND	UG/G		214.82	1.000

ENGINEERING SCIENCE 133-07

C:\R-02C.DBF

CUSTOMER ID: 8C1-589-551-0-5

metaTRACE LAB ID: AA21339

SAMPLE DATE: 11/02/88

MATRIX: SOIL

CATEGORY: VOLATILES

METHOD: EPA 8240

UNITS: UG/KG

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PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	DIL
Chloromethane	NA	11/09/88	ND		10.63	1.000
Bromomethane	NA	11/09/88	ND		10.63	1.000
Vinyl Chloride	NA	11/09/88	ND		10.63	1.000
Chloroethane	NA	11/09/88	ND		10.63	1.000
Methylene Chloride	NA	11/09/88	17.00	0	5.31	1.000
Acetone	NA	11/09/88	27.00	0	10.63	1.000
Carbon Disulfide	NA	11/09/88	ND		5.31	1.000
1,1-Dichloroethane	NA	11/09/88	ND		5.31	1.000
1,1-Dichloroethane	NA	14/09/88	ND		5.31	1.000
1,2-Dichloroethane (total)	NA	11/09/88	ND		5.31	1.000
Chloroform	NA	11/09/88	ND		5.31	1.000
1,2-Dichloroethane	NA	11/09/88	ND		5.31	1.000
2-Butanone	NA	11/09/88	ND		10.63	1.000
1,1,1-Trichloroethane	NA	11/09/88	ND		5.31	1.000
Carbon Tetrachloride	NA	11/09/88	ND		5.31	1.000
Vinyl Acetate	NA	11/09/88	ND		10.63	1.000
Bromodichloromethane	NA	11/09/88	ND		5.31	1.000
1,1,2,2-Tetrachloroethane	NA	11/09/88	ND		5.31	1.000
1,2-Dichloropropane	NA	11/09/88	ND		5.31	1.000
cis-1,3-Dichloropropene	NA	11/09/88	ND		5.31	1.000
Trichloroethene	NA	11/09/88	ND		5.31	1.000
Dibromochloromethane	NA	11/09/88	ND		5.31	1.000
1,1,2-Trichloroethane	NA	11/09/88	ND		5.31	1.000
Benzene	NA	11/09/88	ND		5.31	1.000
trans-1,3-Dichloropropene	NA	11/09/88	ND		5.31	1.000
Bromoform	NA	11/09/88	ND		5.31	1.000
2-Hexanone	NA	11/09/88	ND		10.63	1.000
4-Methyl-2-pentanone	NA	11/09/88	ND		10.63	1.000
Tetrachloroethane	NA	11/09/88	ND		5.31	1.000
Toluene	NA	11/09/88	ND		5.31	1.000
Chlorobenzene	NA	11/09/88	ND		5.31	1.000
Ethyl Benzene	NA	11/09/88	ND		5.31	1.000
Styrene	NA	11/09/88	ND		5.31	1.000
Xylenes (Total)	NA	11/09/88	ND		5.31	1.000

ENGINEERING SCIENCE 135-07

C:\R-02C.DBF

CUSTOMER ID: BC1-S89-SS2-5-10

metaTRACE LAB ID: AA21340

SAMPLE DATE: 11/02/88

MATRIX: SOIL

CATEGORY: VOLATILES

METHOD: EPA 8240

UNITS: UG/KG

Page No. 1

05/15/89

PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	DIL
Chloromethane	NA	11/09/88	ND		10.64	1.000
Bromomethane	NA	11/09/88	ND		10.64	1.000
Vinyl Chloride	NA	11/09/88	ND		10.64	1.000
Chloroethane	NA	11/09/88	ND		10.64	1.000
Methylene Chloride	NA	11/09/88	9.00		5.32	1.000
Acetone	NA	11/09/88	16.00		10.64	1.000
Carbon Disulfide	NA	11/09/88	ND		5.32	1.000
1,1-Dichloroethane	NA	11/09/88	ND		5.32	1.000
1,1-Dichloroethane	NA	11/09/88	ND		5.32	1.000
1,2-Dichloroethane (total)	NA	11/09/88	ND		5.32	1.000
Chloroform	NA	11/09/88	ND		5.32	1.000
1,2-Dichloroethane	NA	11/09/88	ND		5.32	1.000
2-Butanone	NA	11/09/88	ND		10.64	1.000
1,1,1-Trichloroethane	NA	11/09/88	ND		5.32	1.000
Carbon Tetrachloride	NA	11/09/88	ND		5.32	1.000
Vinyl Acetate	NA	11/09/88	ND		10.64	1.000
Bromodichloromethane	NA	11/09/88	ND		5.32	1.000
1,1,2,2-Tetrachloroethane	NA	11/09/88	ND		5.32	1.000
1,2-Dichloropropene	NA	11/09/88	ND		5.32	1.000
cis-1,3-Dichloropropene	NA	11/09/88	ND		5.32	1.000
Trichloroethane	NA	11/09/88	ND		5.32	1.000
Dibromochloromethane	NA	11/09/88	ND		5.32	1.000
1,1,2-Trichloroethane	NA	11/09/88	ND		5.32	1.000
Benzene	NA	11/09/88	ND		5.32	1.000
trans-1,3-Dichloropropene	NA	11/09/88	ND		5.32	1.000
Bromoform	NA	11/09/88	ND		5.32	1.000
2-Hexanone	NA	11/09/88	ND		10.64	1.000
4-Methyl-2-pentanone	NA	11/09/88	ND		10.64	1.000
Tetrachloroethane	NA	11/09/88	ND		5.32	1.000
Toluene	NA	11/09/88	ND		5.32	1.000
Chlorobenzene	NA	11/09/88	ND		5.32	1.000
Ethyl Benzene	NA	11/09/88	ND		5.32	1.000
Styrene	NA	11/09/88	ND		5.32	1.000
Xylenes (Total)	NA	11/09/88	ND		5.32	1.000

ENGINEERING SCIENCE 135-07

C:\R-02C.DBF

CUSTOMER ID: BC1-SB9-SS1-0-5

metaTRACE LAB ID: AA21339

SAMPLE DATE: 11/02/88

MATRIX: SOIL

CATEGORY: MISC.

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PARAMETER	METHOD	DATE EXT	DATE_AMA	CONC.	UNITS	ERR	DL	DIL
Percent Moisture	ASTM	NA	12/15/88	5.89	PRCNT	-		1.000

ENGINEERING SCIENCE 135-07

C:\R-02C.DBF

CUSTOMER ID: 8C1-S89-SS2-5-10

metaTRACE LAB ID: AA21340

SAMPLE DATE: 11/02/88

MATRIX: SOIL

CATEGORY: MISC.

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PARAMETER	METHOD	DATE EXT	DATE_ANA	CONC.	UNITS	ERR	DL	DIL
Percent Moisture	ASTM	NA	12/15/88	6.05	PRCNT	-		1.000

ENGINEERING SCIENCE 135-07

C:\R-02.DBF

CUSTOMER ID: BC1-SB9-SS1-0-5

metaTRACE LAB ID: AA21300

SAMPLE DATE: 11/02/88

MATRIX: SOIL

CATEGORY: MISC.

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05/15/89

PARAMETER	METHOD	DATE EXT	DATE_ANA	CONC.	UNITS	ERR	DL	DIL
Percent Moisture	ASTM	NA	12/15/88	6.15	PRCNT	-	-	1.000
Total Petroleum Hydrocarbons	EPA 418.1	NA	11/07/88	ND	UG/G		213.11	1.000

ENGINEERING SCIENCE 135-07

C:R-04C.DBF

CUSTOMER ID: BC3-SB2-SS1-0-5

metaTRACE LAB ID: AA21539

SAMPLE DATE: 11/04/88

MATRIX: SOIL

CATEGORY: SEMI-VOLATILES

METHOD: EPA 8270

UNITS: UG/KG

Page No. 1
05/15/89

PARAMETER	DATE_EXT	DATE_AMA	CONC.	ERR	DL	DIL
Phenol	11/09/88	11/30/88	ND		362.12	1.000
bis(2-Chloroethyl) ether	11/09/88	11/30/88	ND		362.12	1.000
2-Chlorophenol	11/09/88	11/30/88	ND		362.12	1.000
1,3-Dichlorobenzene	11/09/88	11/30/88	ND		362.12	1.000
1,4-Dichlorobenzene	11/09/88	11/30/88	ND		362.12	1.000
Benzyl Alcohol	11/09/88	11/30/88	ND		362.12	1.000
1,2-Dichlorobenzene	11/09/88	11/30/88	ND		362.12	1.000
2-Methylphenol	11/09/88	11/30/88	ND		362.12	1.000
bis(2-Chloroisopropyl) ether	11/09/88	11/30/88	ND		362.12	1.000
4-Methylphenol	11/09/88	11/30/88	ND		362.12	1.000
N-Nitroso-Dipropylamine	11/09/88	11/30/88	ND		362.12	1.000
Hexachloroethane	11/09/88	11/30/88	ND		362.12	1.000
Nitrobenzene	11/09/88	11/30/88	ND		362.12	1.000
Isophorone	11/09/88	11/30/88	ND		362.12	1.000
2-Nitrophenol	11/09/88	11/30/88	ND		1755.73	1.000
2,4-Dimethylphenol	11/09/88	11/30/88	ND		362.12	1.000
Benzoic Acid	11/09/88	11/30/88	ND		1755.73	1.000
bis(2-Chloroethoxy) methane	11/09/88	11/30/88	ND		362.12	1.000
2,4-Dichlorophenol	11/09/88	11/30/88	ND		362.12	1.000
1,2,4-Trichlorobenzene	11/09/88	11/30/88	ND		362.12	1.000
Naphthalene	11/09/88	11/30/88	ND		362.12	1.000
4-Chloroaniline	11/09/88	11/30/88	ND		362.12	1.000
Hexachlorobutadiene	11/09/88	11/30/88	ND		362.12	1.000
4-Chloro-3-methylphenol	11/09/88	11/30/88	ND		362.12	1.000
2-Methylnaphthalene	11/09/88	11/30/88	ND		362.12	1.000
Hexachlorocyclopentadiene	11/09/88	11/30/88	ND		362.12	1.000
2,4,6-Trichlorophenol	11/09/88	11/30/88	ND		362.12	1.000
2,4,5-Trichlorophenol	11/09/88	11/30/88	ND		1755.73	1.000
2-Chloronaphthalene	11/09/88	11/30/88	ND		362.12	1.000
2-Nitroaniline	11/09/88	11/30/88	ND		1755.73	1.000
Dimethyl Phthalate	11/09/88	11/30/88	ND		362.12	1.000
Acenaphthylene	11/09/88	11/30/88	ND		362.12	1.000
2,6-Dinitrotoluene	11/09/88	11/30/88	ND		362.12	1.000
3-Nitroaniline	11/09/88	11/30/88	ND		1755.73	1.000
Acenaphthene	11/09/88	11/30/88	ND		362.12	1.000
2,4-Dinitrophenol	11/09/88	11/30/88	ND		1755.73	1.000
4-Nitrophenol	11/09/88	11/30/88	ND		1755.73	1.000
Dibenzofuran	11/09/88	11/30/88	ND		362.12	1.000
2,4-Dinitrotoluene	11/09/88	11/30/88	ND		362.12	1.000
Diethylphthalate	11/09/88	11/30/88	ND		362.12	1.000
4-Chlorophenyl Phenyl Ether	11/09/88	11/30/88	ND		362.12	1.000
Fluorane	11/09/88	11/30/88	ND		362.12	1.000
4-Nitroaniline	11/09/88	11/30/88	ND		1755.73	1.000

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05/15/89

PARAMETER	DATE_EXT	DATE_AMA	CONC.	ERR	DL	DIL
4,6-Dinitro-2-methylphenol	11/09/88	11/30/88	ND		1755.73	1.000
N-nitrosodiphenylamine	11/09/88	11/30/88	ND		362.12	1.000
4-Bromophenyl Phenyl ether	11/09/88	11/30/88	ND		362.12	1.000
Hexachlorobenzene	11/09/88	11/30/88	ND		362.12	1.000
Pentachlorophenol	11/09/88	11/30/88	ND		1755.73	1.000
Phenanthrene	11/09/88	11/30/88	ND		362.12	1.000
Anthracene	11/09/88	11/30/88	ND		362.12	1.000
Di-n-butylphthalate	11/09/88	11/30/88	ND		362.12	1.000
Fluoranthene	11/09/88	11/30/88	ND		362.12	1.000
Pyrene	11/09/88	11/30/88	ND		362.12	1.000
Butyl Benzyl Phthalate	11/09/88	11/30/88	ND		362.12	1.000
3,3'-Dichlorobenzidine	11/09/88	11/30/88	ND		724.24	1.000
Benzo(a)anthracene	11/09/88	11/30/88	ND		362.12	1.000
Chrysene	11/09/88	11/30/88	ND		362.12	1.000
bis(2-ethylhexyl)phthalate	11/09/88	11/30/88	60.00		362.12	1.000
Di-n-octyl Phthalate	11/09/88	11/30/88	ND		362.12	1.000
Benzo(b)fluoranthene	11/09/88	11/30/88	ND		362.12	1.000
Benzo(k)fluoranthene	11/09/88	11/30/88	ND		362.12	1.000
Benzo(a)pyrene	11/09/88	11/30/88	ND		362.12	1.000
Indeno(1,2,3-cd)pyrene	11/09/88	11/30/88	ND		362.12	1.000
Dibenzo(a,h)anthracene	11/09/88	11/30/88	ND		362.12	1.000
Benzo(g,h,i)perylene	11/09/88	11/30/88	ND		362.12	1.000

ENGINEERING SCIENCE 135-07

C:\R-040.DBF

CUSTOMER ID: BC3-SB2-SS2-15-20

metaTRACE LAB ID: AA21540

SAMPLE DATE: 11/04/88

MATRIX: SOIL

CATEGORY: SEMI-VOLATILES

METHOD: EPA 8270

UNITS: UG/KG

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05/15/89

PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	DIL
Phenol	11/09/88	11/30/88	ND		340.00	1.000
bis(2-Chloroethyl) ether	11/09/88	11/30/88	ND		340.00	1.000
2-Chlorophenol	11/09/88	11/30/88	ND		340.00	1.000
1,3-Dichlorobenzene	11/09/88	11/30/88	ND		340.00	1.000
1,4-Dichlorobenzene	11/09/88	11/30/88	ND		340.00	1.000
Benzyl Alcohol	11/09/88	11/30/88	ND		340.00	1.000
1,2-Dichlorobenzene	11/09/88	11/30/88	ND		340.00	1.000
2-Methylphenol	11/09/88	11/30/88	ND		340.00	1.000
bis(2-Chloroisopropyl) ether	11/09/88	11/30/88	ND		340.00	1.000
4-Methylphenol	11/09/88	11/30/88	ND		340.00	1.000
N-Nitroso-Dipropylamine	11/09/88	11/30/88	ND		340.00	1.000
Hexachloroethane	11/09/88	11/30/88	ND		340.00	1.000
Nitrobenzene	11/09/88	11/30/88	ND		340.00	1.000
Isophorone	11/09/88	11/30/88	ND		340.00	1.000
2-Nitrophenol	11/09/88	11/30/88	ND		1648.44	1.000
2,4-Dimethylphenol	11/09/88	11/30/88	ND		340.00	1.000
Benzoic Acid	11/09/88	11/30/88	ND		1648.44	1.000
bis(2-Chloroethoxy) methane	11/09/88	11/30/88	ND		340.00	1.000
2,4-Dichlorophenol	11/09/88	11/30/88	ND		340.00	1.000
1,2,4-Trichlorobenzene	11/09/88	11/30/88	ND		340.00	1.000
Naphthalene	11/09/88	11/30/88	ND		340.00	1.000
4-Chloroaniline	11/09/88	11/30/88	ND		340.00	1.000
Hexachlorobutadiene	11/09/88	11/30/88	ND		340.00	1.000
4-Chloro-3-methylphenol	11/09/88	11/30/88	ND		340.00	1.000
2-Methylnaphthalene	11/09/88	11/30/88	60.00	J	340.00	1.000
Hexachlorocyclopentadiene	11/09/88	11/30/88	ND		340.00	1.000
2,4,6-Trichlorophenol	11/09/88	11/30/88	ND		340.00	1.000
2,4,5-Trichlorophenol	11/09/88	11/30/88	ND		1648.44	1.000
2-Chloronaphthalene	11/09/88	11/30/88	ND		340.00	1.000
2-Nitroaniline	11/09/88	11/30/88	ND		1648.44	1.000
Dimethyl Phthalate	11/09/88	11/30/88	ND		340.00	1.000
Acenaphthylene	11/09/88	11/30/88	ND		340.00	1.000
2,6-Dinitrotoluene	11/09/88	11/30/88	ND		340.00	1.000
3-Nitroaniline	11/09/88	11/30/88	ND		1648.44	1.000
Acenaphthene	11/09/88	11/30/88	ND		340.00	1.000
2,4-Dinitrophenol	11/09/88	11/30/88	ND		1648.44	1.000
4-Nitrophenol	11/09/88	11/30/88	ND		1648.44	1.000
Dibenzofuran	11/09/88	11/30/88	ND		340.00	1.000
2,4-Dinitrotoluene	11/09/88	11/30/88	ND		340.00	1.000
Diethylphthalate	11/09/88	11/30/88	ND		340.00	1.000
4-Chlorophenyl Phenyl Ether	11/09/88	11/30/88	ND		340.00	1.000
Fluorene	11/09/88	11/30/88	ND		340.00	1.000
4-Nitroaniline	11/09/88	11/30/88	ND		1648.44	1.000

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PARAMETER	DATE_EXT	DATE_AMA	CONC.	ERR	DL	DIL
4,6-Dinitro-2-methylphenol	11/10/88	12/02/88	ND		1710.32	1.000
N-nitrosodiphenylamine	11/10/88	12/02/88	640.00	J	352.75	1.000
4-Bromophenyl Phenyl ether	11/10/88	12/02/88	ND		352.75	1.000
Hexachlorobenzene	11/10/88	12/02/88	ND		352.75	1.000
Pentachlorophenol	11/10/88	12/02/88	ND		1710.32	1.000
Phenanthrene	11/10/88	12/02/88	520.00	J	352.75	1.000
Anthracene	11/10/88	12/02/88	ND		352.75	1.000
Di-n-butylphthalate	11/10/88	12/02/88	ND		352.75	1.000
Fluoranthene	11/10/88	12/02/88	ND		352.75	1.000
Pyrene	11/10/88	12/02/88	ND		352.75	1.000
Butyl Benzyl Phthalate	11/10/88	12/02/88	ND		352.75	1.000
3,3'-Dichlorobenzidine	11/10/88	12/02/88	ND		705.51	1.000
Benzo(a)anthracene	11/10/88	12/02/88	ND		352.75	1.000
Chrysene	11/10/88	12/02/88	ND		352.75	1.000
bis(2-ethylhexyl)phthalate	11/10/88	12/02/88	ND		352.75	1.000
Di-n-octyl Phthalate	11/10/88	12/02/88	ND		352.75	1.000
Benzo(b)fluoranthene	11/10/88	12/02/88	ND		352.75	1.000
Benzo(k)fluoranthene	11/10/88	12/02/88	ND		352.75	1.000
Benzo(a)pyrene	11/10/88	12/02/88	ND		352.75	1.000
Indeno(1,2,3-cd)pyrene	11/10/88	12/02/88	ND		352.75	1.000
Dibenzo(a,h)anthracene	11/10/88	12/02/88	ND		352.75	1.000
Benzo(g,h,i)perylene	11/10/88	12/02/88	ND		352.75	1.000

ENGINEERING SCIENCE 135-07

C:\R-04C.DBF

CUSTOMER ID: BC3-SB2-SS1-0-5

metaTRACE LAB ID: AA21539

SAMPLE DATE: 11/04/88

MATRIX: SOIL

CATEGORY: VOLATILES

METHOD: EPA 8240

UNITS: UG/KG

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05/15/89

PARAMETER	DATE_EXT	DATE_AMA	CONC.	ERR	DL	DIL
Chloromethane	NA	11/11/88	ND		10.97	1.000
Bromomethane	NA	11/11/88	ND		10.97	1.000
Vinyl Chloride	NA	11/11/88	ND		10.97	1.000
Chloroethane	NA	11/11/88	ND		10.97	1.000
Methylene Chloride	NA	11/11/88	9.00	8	5.49	1.000
Acetone	NA	11/11/88	33.00		10.97	1.000
Carbon Disulfide	NA	11/11/88	ND		5.49	1.000
1,1-Dichloroethene	NA	11/11/88	ND		5.49	1.000
1,1-Dichloroethane	NA	11/11/88	ND		5.49	1.000
1,2-Dichloroethene (total)	NA	11/11/88	ND		5.49	1.000
Chloroform	NA	11/11/88	ND		5.49	1.000
1,2-Dichloroethane	NA	11/11/88	ND		5.49	1.000
2-Butanone	NA	11/11/88	ND		10.97	1.000
1,1,1-Trichloroethane	NA	11/11/88	ND		5.49	1.000
Carbon Tetrachloride	NA	11/11/88	ND		5.49	1.000
Vinyl Acetate	NA	11/11/88	ND		10.97	1.000
Bromodichloromethane	NA	11/11/88	ND		5.49	1.000
1,1,2,2-Tetrachloroethane	NA	11/11/88	ND		5.49	1.000
1,2-Dichloropropane	NA	11/11/88	ND		5.49	1.000
cis-1,3-Dichloropropene	NA	11/11/88	ND		5.49	1.000
Trichloroethene	NA	11/11/88	ND		5.49	1.000
Dibromochloromethane	NA	11/11/88	ND		5.49	1.000
1,1,2-Trichloroethane	NA	11/11/88	ND		5.49	1.000
Benzene	NA	11/11/88	ND		5.49	1.000
trans-1,3-Dichloropropene	NA	11/11/88	ND		5.49	1.000
Bromoform	NA	11/11/88	ND		5.49	1.000
2-Hexanone	NA	11/11/88	ND		10.97	1.000
4-Methyl-2-pentanone	NA	11/11/88	ND		10.97	1.000
Tetrachloroethane	NA	11/11/88	ND		5.49	1.000
Toluene	NA	11/11/88	36.00		5.49	1.000
Chlorobenzene	NA	11/11/88	ND		5.49	1.000
Ethyl Benzene	NA	11/11/88	ND		5.49	1.000
Styrene	NA	11/11/88	ND		5.49	1.000
Xylenes (Total)	NA	11/11/88	ND		5.49	1.000

ENGINEERING SCIENCE 135-07

C:R-040.08F

CUSTOMER ID: BC3-SB2-SS2-15-20

metaTRACE LAB ID: AA21540

SAMPLE DATE: 11/04/88

MATRIX: SOIL

CATEGORY: VOLATILES

METHOD: EPA 8240

UNITS: UG/KG

Page No. 1
05/15/89

PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	DIL
Chloromethane	NA	11/11/88	ND		10.30	1.000
Bromomethane	NA	11/11/88	ND		10.30	1.000
Vinyl Chloride	NA	11/11/88	ND		10.30	1.000
Chloroethane	NA	11/11/88	ND		10.30	1.000
Methylene Chloride	NA	11/11/88	9.00		5.15	1.000
Acetone	NA	11/11/88	ND		10.30	1.000
Carbon Disulfide	NA	11/11/88	ND		5.15	1.000
1,1-Dichloroethane	NA	11/11/88	ND		5.15	1.000
1,1-Dichloroethane	NA	11/11/88	ND		5.15	1.000
1,2-Dichloroethane (total)	NA	11/11/88	ND		5.15	1.000
Chloroform	NA	11/11/88	ND		5.15	1.000
1,2-Dichloroethane	NA	11/11/88	ND		5.15	1.000
2-Butanone	NA	11/11/88	ND		10.30	1.000
1,1,1-Trichloroethane	NA	11/11/88	ND		5.15	1.000
Carbon Tetrachloride	NA	11/11/88	ND		5.15	1.000
Vinyl Acetate	NA	11/11/88	ND		10.30	1.000
Bromodichloromethane	NA	11/11/88	ND		5.15	1.000
1,1,2,2-Tetrachloroethane	NA	11/11/88	ND		5.15	1.000
1,2-Dichloropropene	NA	11/11/88	ND		5.15	1.000
cis-1,3-Dichloropropene	NA	11/11/88	ND		5.15	1.000
Trichloroethene	NA	11/11/88	ND		5.15	1.000
Vibromochloromethane	NA	11/11/88	ND		5.15	1.000
1,1,2-Trichloroethane	NA	11/11/88	ND		5.15	1.000
Benzene	NA	11/11/88	ND		5.15	1.000
trans-1,3-Dichloropropene	NA	11/11/88	ND		5.15	1.000
Bromoform	NA	11/11/88	ND		5.15	1.000
2-Hexanone	NA	11/11/88	ND		10.30	1.000
4-Methyl-2-pentanone	NA	11/11/88	ND		10.30	1.000
Tetrachloroethane	NA	11/11/88	ND		5.15	1.000
Toluene	NA	11/11/88	24.00		5.15	1.000
Chlorobenzene	NA	11/11/88	ND		5.15	1.000
Ethyl Benzene	NA	11/11/88	ND		5.15	1.000
Styrene	NA	11/11/88	ND		5.15	1.000
Xylenes (Total)	NA	11/11/88	ND		5.15	1.000

ENGINEERING SCIENCE 135-07

C:\R-04C.DBF

CUSTOMER ID: BC3-SB2-SS1-0-5

metaTRACE LAB ID: AA21539

SAMPLE DATE: 11/04/88

MATRIX: SOIL

CATEGORY: PP_METALS

METHOD: EPA 6010

UNITS: UG/G

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PARAMETER	DATE_EXT	DATE_AMA	CONC.	ERR	DL	DIL
Antimony	NA	12/27/88	ND		12.07	1.000
Arsenic	NA	12/21/88	4.30		0.66	1.000
Beryllium	NA	12/27/88	ND		1.10	1.000
Cadmium	NA	12/27/88	ND		1.10	1.000
Chromium	NA	12/27/88	12.54		2.19	1.000
Copper	NA	12/27/88	7.48		2.19	1.000
Lead	NA	12/21/88	9.06		0.66	1.000
Nickel	NA	12/27/88	7.66		0.66	1.000
Mercury	NA	11/19/88	ND		0.11	1.000
Selenium	NA	12/22/88	ND		0.44	1.000
Silver	NA	12/27/88	ND		1.54	1.000
Thallium	NA	12/21/88	ND		0.66	1.000
Zinc	NA	12/27/88	26.95		0.88	1.000

ENGINEERING SCIENCE 133-07

C:R-040.DBF

CUSTOMER ID: BC3-SB2-SS2-15-20

metaTRACE LAB ID: AA21540

SAMPLE DATE: 11/04/88

MATRIX: SOIL

CATEGORY: PP_METALS

METHOD: EPA 6010

UNITS: UG/G

Page No. 1
05/15/89

PARAMETER	DATE_EXT	DATE_AMA	CONC.	ERR	DL	DIL
Antimony	NA	12/27/88	ND		11.33	1.000
Arsenic	NA	12/21/88	2.95		0.62	1.000
Beryllium	NA	12/27/88	ND		1.03	1.000
Cadmium	NA	12/27/88	ND		1.03	1.000
Chromium	NA	12/27/88	6.03		2.06	1.000
Copper	NA	12/27/88	6.38		2.06	1.000
Lead	NA	12/21/88	2.36		0.62	1.000
Mercury	NA	11/19/88	ND		0.10	1.000
Nickel	NA	12/27/88	5.53		5.36	1.000
Selenium	NA	12/22/88	ND		0.41	1.000
Silver	NA	12/27/88	ND		1.44	1.000
Thallium	NA	12/21/88	ND		0.62	1.000
Zinc	NA	12/27/88	15.08		0.82	1.000

ENGINEERING SCIENCE 135-07

C:\R-04C.DBF

CUSTOMER ID: SC3-SB2-SS1-0-5

metaTRACE LAB ID: AA21539

SAMPLE DATE: 11/04/88

MATRIX: SOIL

CATEGORY: MISC.

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PARAMETER	METHOD	DATE EXT	DATE_AMA	CONC.	UNITS	ERR	DL	DIL
Percent Moisture	ASTM	NA	12/20/88	8.87	PRCNT	-		1.000

ENGINEERING SCIENCE 135-07

C:\R-040.DBF

CUSTOMER ID: BC3-SB3-SS1-0-5

etaTRACE LAB ID: AA21541

SAMPLE DATE: 11/04/88

MATRIX: SOIL

CATEGORY: MISC.

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05/15/89

PARAMETER	METHOD	DATE EXT	DATE_ANA	CONC.	UNITS	ERR	DL	DIL
Percent Moisture	ASTM	NA	12/20/88	8.90	PRCNT	-		1.000

metaTRACE, Inc.

13715 Rider Trail North

• Earth City, MO 63045

• (314) 298-8568

ENGINEERING SCIENCE 135-07

C:\R-040.DBF

CUSTOMER ID: BC3-SB2-SS2-15-20

metaTRACE LAB ID: AA21540

SAMPLE DATE: 11/04/88

MATRIX: SOIL

CATEGORY: MISC.

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PARAMETER	METHOD	DATE EXT	DATE_AMA	CONC.	UNITS	ERR	DL	DIL
Percent Moisture	ASTM	NA	12/20/88	2.94	PRCNT	-		1.000

ENGINEERING SCIENCE 133-07

C:R-040.087

CUSTOMER ID: BC3-SB3-SS1-0-5

metaTRACE LAB ID: AA21541

SAMPLE DATE: 11/04/88

MATRIX: SOIL

CATEGORY: SEMI-VOLATILES

METHOD: EPA 8270

UNITS: UG/KG

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PARAMETER	DATE_EXT	DATE_AMA	CONC.	ERR	DL	DIL
Phenol	11/09/88	11/30/88	ND		362.24	1.000
bis(2-Chloroethyl) ether	11/09/88	11/30/88	ND		362.24	1.000
2-Chlorophenol	11/09/88	11/30/88	ND		362.24	1.000
1,3-Dichlorobenzene	11/09/88	11/30/88	ND		362.24	1.000
1,4-Dichlorobenzene	11/09/88	11/30/88	ND		362.24	1.000
Benzyl Alcohol	11/09/88	11/30/88	ND		362.24	1.000
1,2-Dichlorobenzene	11/09/88	11/30/88	ND		362.24	1.000
2-Methylphenol	11/09/88	11/30/88	ND		362.24	1.000
bis(2-Chloroisopropyl) ether	11/09/88	11/30/88	ND		362.24	1.000
4-Methylphenol	11/09/88	11/30/88	ND		362.24	1.000
N-Nitroso-Diisopropylamine	11/09/88	11/30/88	ND		362.24	1.000
Hexachloroethane	11/09/88	11/30/88	ND		362.24	1.000
Nitrobenzene	11/09/88	11/30/88	ND		362.24	1.000
Isophorone	11/09/88	11/30/88	ND		362.24	1.000
2-Nitrophenol	11/09/88	11/30/88	ND		1756.31	1.000
2,4-Dimethylphenol	11/09/88	11/30/88	ND		362.24	1.000
Benzoic Acid	11/09/88	11/30/88	ND		1756.31	1.000
bis(2-Chloroethoxy) methane	11/09/88	11/30/88	ND		362.24	1.000
2,4-Dichlorophenol	11/09/88	11/30/88	ND		362.24	1.000
1,2,4-Trichlorobenzene	11/09/88	11/30/88	ND		362.24	1.000
Naphthalene	11/09/88	11/30/88	ND		362.24	1.000
4-Chloroaniline	11/09/88	11/30/88	ND		362.24	1.000
Hexachlorobutadiene	11/09/88	11/30/88	ND		362.24	1.000
4-Chloro-3-methylphenol	11/09/88	11/30/88	ND		362.24	1.000
2-Methylnaphthalene	11/09/88	11/30/88	ND		362.24	1.000
Hexachlorocyclopentadiene	11/09/88	11/30/88	ND		362.24	1.000
2,4,6-Trichlorophenol	11/09/88	11/30/88	ND		362.24	1.000
2,4,5-Trichlorophenol	11/09/88	11/30/88	ND		1756.31	1.000
2-Chloronaphthalene	11/09/88	11/30/88	ND		362.24	1.000
2-Nitroaniline	11/09/88	11/30/88	ND		1756.31	1.000
Dimethyl Phthalate	11/09/88	11/30/88	ND		362.24	1.000
Acenaphthylene	11/09/88	11/30/88	ND		362.24	1.000
2,6-Dinitrotoluene	11/09/88	11/30/88	ND		362.24	1.000
3-Nitroaniline	11/09/88	11/30/88	ND		1756.31	1.000
Acenaphthene	11/09/88	11/30/88	ND		362.24	1.000
2,4-Dinitrophenol	11/09/88	11/30/88	ND		1756.31	1.000
4-Nitrophenol	11/09/88	11/30/88	ND		1756.31	1.000
Dibenzofuran	11/09/88	11/30/88	ND		362.24	1.000
2,4-Dinitrotoluene	11/09/88	11/30/88	ND		362.24	1.000
Diethylphthalate	11/09/88	11/30/88	ND		362.24	1.000
4-Chlorophenyl Phenyl Ether	11/09/88	11/30/88	ND		362.24	1.000
Fluorene	11/09/88	11/30/88	ND		362.24	1.000
4-Nitroaniline	11/09/88	11/30/88	ND		1756.31	1.000

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PARAMETER	DATE_EXT	DATE_AMA	CONC.	ERR	DL	DIL
4,6-Dinitro-2-methylphenol	11/09/88	11/30/88	ND		1756.31	1.000
N-nitrosodiphenylamine	11/09/88	11/30/88	ND		362.24	1.000
4-Bromophenyl Phenyl ether	11/09/88	11/30/88	ND		362.24	1.000
Hexachlorobenzene	11/09/88	11/30/88	ND		362.24	1.000
Pentachlorophenol	11/09/88	11/30/88	ND		1756.31	1.000
Phenanthrene	11/09/88	11/30/88	ND		362.24	1.000
Anthracene	11/09/88	11/30/88	ND		362.24	1.000
Di-n-butylphthalate	11/09/88	11/30/88	ND		362.24	1.000
Fluoranthene	11/09/88	11/30/88	ND		362.24	1.000
Pyrene	11/09/88	11/30/88	ND		362.24	1.000
Butyl Benzyl Phthalate	11/09/88	11/30/88	ND		362.24	1.000
3,3'-Dichlorobenzidine	11/09/88	11/30/88	ND		724.48	1.000
Benzo(a)anthracene	11/09/88	11/30/88	ND		362.24	1.000
Chrysene	11/09/88	11/30/88	ND		362.24	1.000
bis(2-ethylhexyl)phthalate	11/09/88	11/30/88	40.00	J	362.24	1.000
Di-n-octyl Phthalate	11/09/88	11/30/88	40.00	J	362.24	1.000
Benzo(b)fluoranthene	11/09/88	11/30/88	ND		362.24	1.000
Benzo(k)fluoranthene	11/09/88	11/30/88	ND		362.24	1.000
Benzo(a)pyrene	11/09/88	11/30/88	ND		362.24	1.000
Indeno(1,2,3-cd)pyrene	11/09/88	11/30/88	ND		362.24	1.000
Dibenzo(a,h)anthracene	11/09/88	11/30/88	ND		362.24	1.000
Benzo(g,h,i)perylene	11/09/88	11/30/88	ND		362.24	1.000

ENGINEERING SCIENCE 135-07

C:\R-04E.DBF

CUSTOMER ID: BC3-SB3-SS2-5-10

metaTRACE LAB ID: AA21542

SAMPLE DATE: 11/04/88

MATRIX: SOIL

CATEGORY: SEMI-VOLATILES

METHOD: EPA 8270

UNITS: UG/KG

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05/15/89

PARAMETER	DATE_EXT	DATE_AMA	CONC.	ERR	DL	DIL
Phenol	11/09/88	11/30/88	ND		367.12	1.000
bis(2-Chloroethyl) ether	11/09/88	11/30/88	ND		367.12	1.000
2-Chlorophenol	11/09/88	11/30/88	ND		367.12	1.000
1,3-Dichlorobenzene	11/09/88	11/30/88	ND		367.12	1.000
1,4-Dichlorobenzene	11/09/88	11/30/88	ND		367.12	1.000
Benzyl Alcohol	11/09/88	11/30/88	ND		367.12	1.000
1,2-Dichlorobenzene	11/09/88	11/30/88	ND		367.12	1.000
2-Methylphenol	11/09/88	11/30/88	ND		367.12	1.000
bis(2-Chloroisopropyl) ether	11/09/88	11/30/88	ND		367.12	1.000
4-Methylphenol	11/09/88	11/30/88	ND		367.12	1.000
N-Nitroso-Dipropylamine	11/09/88	11/30/88	ND		367.12	1.000
Hexachloroethane	11/09/88	11/30/88	ND		367.12	1.000
Nitrobenzene	11/09/88	11/30/88	ND		367.12	1.000
Isophorone	11/09/88	11/30/88	ND		367.12	1.000
2-Nitrophenol	11/09/88	11/30/88	ND		1779.95	1.000
2,4-Dimethylphenol	11/09/88	11/30/88	ND		367.12	1.000
Benzoic Acid	11/09/88	11/30/88	ND		1779.95	1.000
bis(2-Chloroethoxy) methane	11/09/88	11/30/88	ND		367.12	1.000
2,4-Dichlorophenol	11/09/88	11/30/88	ND		367.12	1.000
1,2,4-Trichlorobenzene	11/09/88	11/30/88	ND		367.12	1.000
Naphthalene	11/09/88	11/30/88	ND		367.12	1.000
4-Chloroaniline	11/09/88	11/30/88	ND		367.12	1.000
Hexachlorobutadiene	11/09/88	11/30/88	ND		367.12	1.000
4-Chloro-3-methylphenol	11/09/88	11/30/88	ND		367.12	1.000
2-Methylnaphthalene	11/09/88	11/30/88	ND		367.12	1.000
Hexachlorocyclopentadiene	11/09/88	11/30/88	ND		367.12	1.000
2,4,6-Trichlorophenol	11/09/88	11/30/88	ND		367.12	1.000
2,4,5-Trichlorophenol	11/09/88	11/30/88	ND		1779.95	1.000
2-Chloronaphthalene	11/09/88	11/30/88	ND		367.12	1.000
2-Nitroaniline	11/09/88	11/30/88	ND		1779.95	1.000
Dimethyl Phthalate	11/09/88	11/30/88	ND		367.12	1.000
Acenaphthylene	11/09/88	11/30/88	ND		367.12	1.000
2,6-Dinitrotoluene	11/09/88	11/30/88	ND		367.12	1.000
3-Nitroaniline	11/09/88	11/30/88	ND		1779.95	1.000
Acenaphthene	11/09/88	11/30/88	ND		367.12	1.000
2,4-Dinitrophenol	11/09/88	11/30/88	ND		1779.95	1.000
4-Nitrophenol	11/09/88	11/30/88	ND		1779.95	1.000
Dibenzofuran	11/09/88	11/30/88	ND		367.12	1.000
2,4-Dinitrotoluene	11/09/88	11/30/88	ND		367.12	1.000
Diethylphthalate	11/09/88	11/30/88	ND		367.12	1.000
4-Chlorophenyl Phenyl Ether	11/09/88	11/30/88	ND		367.12	1.000
Fluorene	11/09/88	11/30/88	ND		367.12	1.000
4-Nitroaniline	11/09/88	11/30/88	ND		1779.95	1.000

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PARAMETER	DATE_EXT	DATE_AMA	CONC.	ERR	DL	DIL
4,6-Dinitro-2-methylphenol	11/09/88	11/30/88	ND		1779.95	1.000
N-nitrosodiphenylamine	11/09/88	11/30/88	ND		367.12	1.000
4-Bromophenyl Phenyl ether	11/09/88	11/30/88	ND		367.12	1.000
Hexachlorobenzene	11/09/88	11/30/88	ND		367.12	1.000
Pentachlorophenol	11/09/88	11/30/88	ND		1779.95	1.000
Phenanthrene	11/09/88	11/30/88	ND		367.12	1.000
Anthracene	11/09/88	11/30/88	ND		367.12	1.000
Di-n-butylphthalate	11/09/88	11/30/88	ND		367.12	1.000
Fluoranthene	11/09/88	11/30/88	ND		367.12	1.000
Pyrene	11/09/88	11/30/88	ND		367.12	1.000
Butyl Benzyl Phthalate	11/09/88	11/30/88	ND		367.12	1.000
3,3'-Dichlorobenzidine	11/09/88	11/30/88	ND		734.23	1.000
Benzo(a)anthracene	11/09/88	11/30/88	ND		367.12	1.000
Chrysene	11/09/88	11/30/88	ND		367.12	1.000
bis(2-ethylhexyl)phthalate	11/09/88	11/30/88	-110.00		367.12	1.000
Di-n-octyl Phthalate	11/09/88	11/30/88	ND		367.12	1.000
Benzo(b)fluoranthene	11/09/88	11/30/88	ND		367.12	1.000
Benzo(k)fluoranthene	11/09/88	11/30/88	ND		367.12	1.000
Benzo(a)pyrene	11/09/88	11/30/88	ND		367.12	1.000
Indeno(1,2,3-cd)pyrene	11/09/88	11/30/88	ND		367.12	1.000
Dibenzo(a,h)anthracene	11/09/88	11/30/88	ND		367.12	1.000
Benzo(g,h,i)perylene	11/09/88	11/30/88	ND		367.12	1.000

ENGINEERING SCIENCE 135-07

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CUSTOMER ID: 8C3-S83-S83-30-35

metaTRACE LAB ID: AA21543

SAMPLE DATE: 11/04/88

MATRIX: SOIL

CATEGORY: SEMI-VOLATILES

METHOD: EPA 8270

UNITS: UG/KG

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PARAMETER	DATE_EXT	DATE_AMA	CONC.	ERR	DL	DIL
Phenol	11/09/88	11/30/88	ND		376.07	1.000
bis(2-Chloroethyl) ether	11/09/88	11/30/88	ND		376.07	1.000
2-Chlorophenol	11/09/88	11/30/88	ND		376.07	1.000
1,3-Dichlorobenzene	11/09/88	11/30/88	ND		376.07	1.000
1,4-Dichlorobenzene	11/09/88	11/30/88	ND		376.07	1.000
Benzyl Alcohol	11/09/88	11/30/88	ND		376.07	1.000
1,2-Dichlorobenzene	11/09/88	11/30/88	ND		376.07	1.000
2-Methylphenol	11/09/88	11/30/88	ND		376.07	1.000
bis(2-Chloroisopropyl) ether	11/09/88	11/30/88	ND		376.07	1.000
4-Methylphenol	11/09/88	11/30/88	ND		376.07	1.000
N-Nitroso-Dipropylamine	11/09/88	11/30/88	ND		376.07	1.000
Hexachloroethane	11/09/88	11/30/88	ND		376.07	1.000
Nitrobenzene	11/09/88	11/30/88	ND		376.07	1.000
Isophorone	11/09/88	11/30/88	ND		376.07	1.000
2-Nitrophenol	11/09/88	11/30/88	ND		1823.36	1.000
2,4-Dimethylphenol	11/09/88	11/30/88	ND		376.07	1.000
Benzoic Acid	11/09/88	11/30/88	ND		1823.36	1.000
bis(2-Chloroethoxy) methane	11/09/88	11/30/88	ND		376.07	1.000
2,4-Dichlorophenol	11/09/88	11/30/88	ND		376.07	1.000
1,2,4-Trichlorobenzene	11/09/88	11/30/88	ND		376.07	1.000
Naphthalene	11/09/88	11/30/88	ND		376.07	1.000
4-Chloroaniline	11/09/88	11/30/88	ND		376.07	1.000
Hexachlorobutadiene	11/09/88	11/30/88	ND		376.07	1.000
4-Chloro-3-methylphenol	11/09/88	11/30/88	ND		376.07	1.000
2-Methylnaphthalene	11/09/88	11/30/88	ND		376.07	1.000
Hexachlorocyclopentadiene	11/09/88	11/30/88	ND		376.07	1.000
2,4,6-Trichlorophenol	11/09/88	11/30/88	ND		376.07	1.000
2,4,5-Trichlorophenol	11/09/88	11/30/88	ND		1823.36	1.000
2-Chloronaphthalene	11/09/88	11/30/88	ND		376.07	1.000
2-Nitroaniline	11/09/88	11/30/88	ND		1823.36	1.000
Dimethyl Phthalate	11/09/88	11/30/88	ND		376.07	1.000
Acenaphthylene	11/09/88	11/30/88	ND		376.07	1.000
2,6-Dinitrotoluene	11/09/88	11/30/88	ND		376.07	1.000
3-Nitroaniline	11/09/88	11/30/88	ND		1823.36	1.000
Acenaphthene	11/09/88	11/30/88	ND		376.07	1.000
2,4-Dinitrophenol	11/09/88	11/30/88	ND		1823.36	1.000
4-Nitrophenol	11/09/88	11/30/88	ND		1823.36	1.000
Dibenzofuran	11/09/88	11/30/88	ND		376.07	1.000
2,4-Dinitrotoluene	11/09/88	11/30/88	ND		376.07	1.000
Diethylphthalate	11/09/88	11/30/88	ND		376.07	1.000
4-Chlorobenzyl Phenyl Ether	11/09/88	11/30/88	ND		376.07	1.000
Fluorene	11/09/88	11/30/88	ND		376.07	1.000
4-Nitroaniline	11/09/88	11/30/88	ND		1823.36	1.000

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PARAMETER	DATE_EXT	DATE_AMA	CONC.	ERR	DL	DIL
4,6-Dinitro-2-methylphenol	11/09/88	11/30/88	ND		1823.36	1.000
N-nitrosodiphenylamine	11/09/88	11/30/88	ND		376.07	1.000
4-Bromophenyl Phenyl ether	11/09/88	11/30/88	ND		376.07	1.000
Hexachlorobenzene	11/09/88	11/30/88	ND		376.07	1.000
Pentachlorophenol	11/09/88	11/30/88	ND		1823.36	1.000
Phenanthrene	11/09/88	11/30/88	ND		376.07	1.000
Anthracene	11/09/88	11/30/88	ND		376.07	1.000
Di-n-butylphthalate	11/09/88	11/30/88	ND		376.07	1.000
Fluoranthene	11/09/88	11/30/88	ND		376.07	1.000
Pyrene	11/09/88	11/30/88	ND		376.07	1.000
Butyl Benzyl Phthalate	11/09/88	11/30/88	ND		376.07	1.000
3,3'-Dichlorobenzidine	11/09/88	11/30/88	ND		732.14	1.000
Benzo(a)anthracene	11/09/88	11/30/88	ND		376.07	1.000
Chrysene	11/09/88	11/30/88	ND		376.07	1.000
bis(2-ethylhexyl)phthalate	11/09/88	11/30/88	50.00		376.07	1.000
Di-n-octyl Phthalate	11/09/88	11/30/88	ND		376.07	1.000
Benzo(b)fluoranthene	11/09/88	11/30/88	ND		376.07	1.000
Benzo(k)fluoranthene	11/09/88	11/30/88	ND		376.07	1.000
Benzo(a)pyrene	11/09/88	11/30/88	ND		376.07	1.000
Indeno(1,2,3-cd)pyrene	11/09/88	11/30/88	ND		376.07	1.000
Dibenzo(a,h)anthracene	11/09/88	11/30/88	ND		376.07	1.000
Benzo(g,h,i)perylene	11/09/88	11/30/88	ND		376.07	1.000

ENGINEERING SCIENCE 133-07

C:\R-040.DBF

CUSTOMER ID: BC3-SB3-SS1-0-5

netaTRACE LAB ID: AA21541

SAMPLE DATE: 11/04/88

MATRIX: SOIL

CATEGORY: VOLATILES

METHOD: EPA 8240

UNITS: UG/KG

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PARAMETER	DATE_EXT	DATE_AMA	CONC.	ERR	DL	DIL
Chloromethane	NA	11/12/88	ND		10.98	1.000
Bromomethane	NA	11/12/88	ND		10.98	1.000
Vinyl Chloride	NA	11/12/88	ND		10.98	1.000
Chloroethane	NA	11/12/88	ND		10.98	1.000
Methylene Chloride	NA	11/12/88	10.00	0	5.49	1.000
Acetone	NA	11/12/88	57.00		10.98	1.000
Carbon Disulfide	NA	11/12/88	ND		5.49	1.000
1,1-Dichloroethane	NA	11/12/88	ND		5.49	1.000
1,1-Dichloroethane	NA	11/12/88	ND		5.49	1.000
1,2-Dichloroethane (total)	NA	11/12/88	ND		5.49	1.000
Chloroform	NA	11/12/88	ND		5.49	1.000
1,2-Dichloroethane	NA	11/12/88	ND		5.49	1.000
2-Butanone	NA	11/12/88	ND		10.98	1.000
1,1,1-Trichloroethane	NA	11/12/88	ND		5.49	1.000
Carbon Tetrachloride	NA	11/12/88	ND		5.49	1.000
Vinyl Acetate	NA	11/12/88	ND		10.98	1.000
Bromodichloromethane	NA	11/12/88	ND		5.49	1.000
1,1,2,2-Tetrachloroethane	NA	11/12/88	ND		5.49	1.000
1,2-Dichloropropane	NA	11/12/88	ND		5.49	1.000
cis-1,3-Dichloropropane	NA	11/12/88	ND		5.49	1.000
Trichloroethane	NA	11/12/88	ND		5.49	1.000
Dibromochloromethane	NA	11/12/88	ND		5.49	1.000
1,1,2-Trichloroethane	NA	11/12/88	ND		5.49	1.000
Benzene	NA	11/12/88	ND		5.49	1.000
trans-1,3-Dichloropropane	NA	11/12/88	ND		5.49	1.000
Bromoform	NA	11/12/88	ND		5.49	1.000
2-Hexanone	NA	11/12/88	ND		10.98	1.000
4-Methyl-2-pentanone	NA	11/12/88	ND		10.98	1.000
Tetrachloroethane	NA	11/12/88	ND		5.49	1.000
Toluene	NA	11/12/88	11.00		5.49	1.000
Chlorobenzene	NA	11/12/88	ND		5.49	1.000
Ethyl Benzene	NA	11/12/88	ND		5.49	1.000
Styrene	NA	11/12/88	ND		5.49	1.000
Xylenes (Total)	NA	11/12/88	ND		5.49	1.000

ENGINEERING SCIENCE 135-07

C:\R-04E.DBF

CUSTOMER ID: BC3-SB3-SS2-5-10

metaTRACE LAB ID: AA21542

SAMPLE DATE: 11/04/88

MATRIX: SOIL

CATEGORY: VOLATILES

METHOD: EPA 8240

UNITS: UG/KG

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PARAMETER	DATE_EXT	DATE_AMA	CONC.	ERR	DL	DIL
Chloromethane	NA	11/14/88	ND		11.12	1.000
Bromomethane	NA	11/14/88	ND		11.12	1.000
Vinyl Chloride	NA	11/14/88	ND		11.12	1.000
Chloroethane	NA	11/14/88	ND		11.12	1.000
Methylene Chloride	NA	11/14/88	18.00	0	5.56	1.000
Acetone	NA	11/14/88	15.00		11.12	1.000
Carbon Disulfide	NA	11/14/88	ND		5.56	1.000
1,1-Dichloroethane	NA	11/14/88	ND		5.56	1.000
1,1-Dichloroethane	NA	11/14/88	ND		5.56	1.000
1,2-Dichloroethane (total)	NA	11/14/88	ND		5.56	1.000
Chloroform	NA	11/14/88	ND		5.56	1.000
1,2-Dichloroethane	NA	11/14/88	ND		5.56	1.000
2-Butanone	NA	11/14/88	ND		11.12	1.000
1,1,1-Trichloroethane	NA	11/14/88	ND		5.56	1.000
Carbon Tetrachloride	NA	11/14/88	ND		5.56	1.000
Vinyl Acetate	NA	11/14/88	ND		11.12	1.000
Bromodichloromethane	NA	11/14/88	ND		5.56	1.000
1,1,2,2-Tetrachloroethane	NA	11/14/88	ND		5.56	1.000
1,2-Dichloropropane	NA	11/14/88	ND		5.56	1.000
cis-1,3-Dichloropropane	NA	11/14/88	ND		5.56	1.000
Trichloroethane	NA	11/14/88	ND		5.56	1.000
Dibromochloromethane	NA	11/14/88	ND		5.56	1.000
1,1,2-Trichloroethane	NA	11/14/88	ND		5.56	1.000
Benzene	NA	11/14/88	ND		5.56	1.000
trans-1,3-Dichloropropane	NA	11/14/88	ND		5.56	1.000
Bromoform	NA	11/14/88	ND		5.56	1.000
2-Hexanone	NA	11/14/88	ND		11.12	1.000
4-Methyl-2-pentanone	NA	11/14/88	ND		11.12	1.000
Tetrachloroethane	NA	11/14/88	ND		5.56	1.000
Toluene	NA	11/14/88	ND		5.56	1.000
Chlorobenzene	NA	11/14/88	ND		5.56	1.000
Ethyl Benzene	NA	11/14/88	ND		5.56	1.000
Styrene	NA	11/14/88	ND		5.56	1.000
Xylenes (Total)	NA	11/14/88	ND		5.56	1.000

ENGINEERING SCIENCE 135-07

C:\R-04E.D0F

CUSTOMER ID: BC3-SB3-SS3-30-35

netaTRACE LAB ID: AA21543

SAMPLE DATE: 11/04/88

MATRIX: SOIL

CATEGORY: VOLATILES

METHOD: EPA 8240

UNITS: UG/KG

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PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	DIL
Chloromethane	NA	11/11/88	ND		11.40	1.000
Bromomethane	NA	11/11/88	ND		11.40	1.000
Vinyl Chloride	NA	11/11/88	ND		11.40	1.000
Chloroethane	NA	11/11/88	ND		11.40	1.000
Methylene Chloride	NA	11/11/88	13.00	5	5.70	1.000
Acetone	NA	11/11/88	71.00		11.40	1.000
Carbon Disulfide	NA	11/11/88	ND		5.70	1.000
1,1-Dichloroethane	NA	11/11/88	ND		5.70	1.000
1,1-Dichloroethane	NA	11/11/88	ND		5.70	1.000
1,2-Dichloroethane (total)	NA	11/11/88	ND		5.70	1.000
Chloroform	NA	11/11/88	ND		5.70	1.000
1,2-Dichloroethane	NA	11/11/88	ND		5.70	1.000
2-Butanone	NA	11/11/88	ND		11.40	1.000
1,1,1-Trichloroethane	NA	11/11/88	ND		5.70	1.000
Carbon Tetrachloride	NA	11/11/88	ND		5.70	1.000
Vinyl Acetate	NA	11/11/88	ND		11.40	1.000
Bromodichloromethane	NA	11/11/88	ND		5.70	1.000
1,1,2,2-Tetrachloroethane	NA	11/11/88	ND		5.70	1.000
1,2-Dichloropropane	NA	11/11/88	ND		5.70	1.000
cis-1,3-Dichloropropane	NA	11/11/88	ND		5.70	1.000
Trichloroethane	NA	11/11/88	ND		5.70	1.000
Dibromochloromethane	NA	11/11/88	ND		5.70	1.000
1,1,2-Trichloroethane	NA	11/11/88	ND		5.70	1.000
Benzene	NA	11/11/88	ND		5.70	1.000
trans-1,3-Dichloropropane	NA	11/11/88	ND		5.70	1.000
Bromoform	NA	11/11/88	ND		5.70	1.000
2-Hexanone	NA	11/11/88	ND		11.40	1.000
4-Methyl-2-pentanone	NA	11/11/88	ND		11.40	1.000
Tetrachloroethane	NA	11/11/88	ND		5.70	1.000
Toluene	NA	11/11/88	ND		5.70	1.000
Chlorobenzene	NA	11/11/88	ND		5.70	1.000
Ethyl Benzene	NA	11/11/88	ND		5.70	1.000
Styrene	NA	11/11/88	ND		5.70	1.000
Xylenes (Total)	NA	11/11/88	ND		5.70	1.000

ENGINEERING SCIENCE 135-07

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CUSTOMER ID: BC3-SB3-SS1-0-5

etaTRACE LAB ID: AA21541

SAMPLE DATE: 11/04/88

MATRIX: SOIL

CATEGORY: PP_METALS

METHOD: EPA 6010

UNITS: UG/G

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PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	DIL
Antimony	NA	12/27/88	ND		12.07	1.000
Arsenic	NA	12/21/88	6.08		0.66	1.000
Beryllium	NA	12/27/88	ND		1.10	1.000
Cadmium	NA	12/27/88	ND		1.10	1.000
Chromium	NA	12/27/88	10.35		2.20	1.000
Copper	NA	12/27/88	7.65		2.20	1.000
Lead	NA	12/21/88	4.19		0.66	1.000
Mercury	NA	12/19/88	ND		0.11	1.000
Nickel	NA	12/27/88	6.57		5.71	1.000
Selenium	NA	12/22/88	ND		0.44	1.000
Silver	NA	12/27/88	ND		1.54	1.000
Thallium	NA	12/21/88	ND		0.66	1.000
Zinc	NA	12/27/88	32.36		0.88	1.000

ENGINEERING SCIENCE 135-07

C:\R-04E.DBF

CUSTOMER ID: BCS-S83-SS2-5-10

metaTRACE LAB ID: AA21542

SAMPLE DATE: 11/04/88

MATRIX: SOIL

CATEGORY: PP_METALS

METHOD: EPA 6010

UNITS: UG/G

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PARAMETER	DATE_EXT	DATE_AMA	CONC.	ERR	DL	DIL
Antimony	NA	12/27/88	ND		12.24	1.000
Arsenic	NA	12/21/88	7.89		0.67	1.000
Beryllium	NA	12/27/88	ND		1.11	1.000
Cadmium	NA	12/27/88	ND		1.11	1.000
Chromium	NA	12/27/88	11.78		2.22	1.000
Copper	NA	12/27/88	9.94		2.22	1.000
Lead	NA	12/21/88	12.04		0.67	1.000
Mercury	NA	11/19/88	ND		0.11	1.000
Nickel	NA	12/27/88	ND		5.78	1.000
Selenium	NA	12/22/88	1.15		0.44	1.000
Silver	NA	12/27/88	ND		1.54	1.000
Thallium	NA	12/21/88	ND		0.67	1.000
Zinc	NA	12/27/88	57.55		0.89	1.000

metaTRACE, Inc.

13715 Rider Trail North

• Earth City, MO 63045

• (314) 298-8566

ENGINEERING SCIENCE 135-07

C:R-04.00F

CUSTOMER ID: BC3-884-881-0-5

metaTRACE LAB ID: AA21531

SAMPLE DATE: 11/04/88

MATRIX: SOIL

CATEGORY: MISC.

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PARAMETER	METHOD	DATE EXT	DATE_AMA	CONC.	UNITS	ERR	DL	DIL
Percent Moisture	ASTM	NA	12/28/88	8.71	PERCENT	-		1.000

ENGINEERING SCIENCE 135-07

C:\R-04E.DBF

CUSTOMER ID: BC3-S83-SS3-30-35

metaTRACE LAB ID: AA21543

SAMPLE DATE: 11/04/88

MATRIX: SOIL

CATEGORY: PP_METALS

METHOD: EPA 6010

UNITS: UG/G

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PARAMETER	DATE_EXT	DATE_AMA	CONC.	ERR	DL	DIL
Antimony	NA	12/27/88	ND		12.54	1.000
Arsenic	NA	12/21/88	5.17		0.68	1.000
Beryllium	NA	12/27/88	ND		1.14	1.000
Cadmium	NA	12/27/88	ND		1.14	1.000
Chromium	NA	12/27/88	4.25		2.28	1.000
Copper	NA	12/27/88	10.27		2.28	1.000
Lead	NA	12/21/88	3.62		0.68	1.000
Mercury	NA	11/19/88	ND		0.11	1.000
Nickel	NA	12/27/88	ND		5.93	1.000
Selenium	NA	12/22/88	ND		0.46	1.000
Silver	NA	12/27/88	ND		1.60	1.000
Thallium	NA	12/21/88	ND		0.68	1.000
Zinc	NA	12/27/88	26.72		0.91	1.000

ENGINEERING SCIENCE 135-07

C:\R-04E.DBF

CUSTOMER ID: SC3-SB3-SS2-5-10

metaTRACE LAB ID: AA21542

SAMPLE DATE: 11/04/88

MATRIX: SOIL

CATEGORY: MISC.

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PARAMETER	METHOD	DATE EXT	DATE_ANA	CONC.	UNITS	ERR	DL	DIL
Percent Moisture	ASTM	NA	12/20/88	10.11	PRCNT	-		1.000

ENGINEERING SCIENCE 135-07

C:\R-04E.DBF

CUSTOMER ID: BC3-SB3-SS3-30-35

metaTRACE LAB ID: AA21543

SAMPLE DATE: 11/04/88

MATRIX: SOIL

CATEGORY: MISC.

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PARAMETER	METHOD	DATE EXT	DATE_AMA	CONC.	UNITS	ERR	DL	0/L
Percent Moisture	ASTM	NA	12/20/88	12.25	PRCNT	-		1.000

ENGINEERING SCIENCE 135-07

C:R-04.DBF

CUSTOMER ID: BC3-SB4-SS1-0-5

metaTRACE LAB ID: AA21531

SAMPLE DATE: 11/04/88

MATRIX: SOIL

CATEGORY: SEMI-VOLATILES

METHOD: EPA 8270

UNITS: UG/KG

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PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	DIL
Phenol	11/09/88	12/07/88	ND		722.97	2.000
bis(2-Chloroethyl) ether	11/09/88	12/07/88	ND		722.97	2.000
2-Chlorophenol	11/09/88	12/07/88	ND		722.97	2.000
1,3-Dichlorobenzene	11/09/88	12/07/88	ND		722.97	2.000
1,4-Dichlorobenzene	11/09/88	12/07/88	ND		722.97	2.000
Benzyl Alcohol	11/09/88	12/07/88	ND		722.97	2.000
1,2-Dichlorobenzene	11/09/88	12/07/88	ND		722.97	2.000
2-Methylphenol	11/09/88	12/07/88	ND		722.97	2.000
bis(2-Chloroisopropyl) ether	11/09/88	12/07/88	ND		722.97	2.000
4-Methylphenol	11/09/88	12/07/88	ND		722.97	2.000
N-Nitroso-Dipropylamine	11/09/88	12/07/88	ND		722.97	2.000
Hexachloroethane	11/09/88	12/07/88	ND		722.97	2.000
Nitrobenzene	11/09/88	12/07/88	ND		722.97	2.000
Isophorone	11/09/88	12/07/88	ND		722.97	2.000
2-Nitrophenol	11/09/88	12/07/88	ND		3505.31	2.000
2,4-Dimethylphenol	11/09/88	12/07/88	ND		722.97	2.000
Benzoic Acid	11/09/88	12/07/88	ND		3505.31	2.000
bis(2-Chloroethoxy) methane	11/09/88	12/07/88	ND		722.97	2.000
2,4-Dichlorophenol	11/09/88	12/07/88	ND		722.97	2.000
1,2,4-Trichlorobenzene	11/09/88	12/07/88	ND		722.97	2.000
Naphthalene	11/09/88	12/07/88	ND		722.97	2.000
4-Chloroaniline	11/09/88	12/07/88	ND		722.97	2.000
Hexachlorobutadiene	11/09/88	12/07/88	ND		722.97	2.000
4-Chloro-3-methylphenol	11/09/88	12/07/88	ND		722.97	2.000
2-Methylnaphthalene	11/09/88	12/07/88	94000.00	J	722.97	2.000
Hexachlorocyclopentadiene	11/09/88	12/07/88	ND		722.97	2.000
2,4,6-Trichlorophenol	11/09/88	12/07/88	ND		722.97	2.000
2,4,5-Trichlorophenol	11/09/88	12/07/88	ND		3505.31	2.000
2-Chloronaphthalene	11/09/88	12/07/88	ND		722.97	2.000
2-Nitroaniline	11/09/88	12/07/88	ND		3505.31	2.000
Dimethyl Phthalate	11/09/88	12/07/88	ND		722.97	2.000
Acenaphthylene	11/09/88	12/07/88	ND		722.97	2.000
2,6-Dinitrotoluene	11/09/88	12/07/88	ND		722.97	2.000
3-Nitroaniline	11/09/88	12/07/88	ND		3505.31	2.000
Acenaphthene	11/09/88	12/07/88	ND		722.97	2.000
2,4-Dinitrophenol	11/09/88	12/07/88	ND		3505.31	2.000
4-Nitrophenol	11/09/88	12/07/88	ND		3505.31	2.000
Dibenzofuran	11/09/88	12/07/88	ND		722.97	2.000
2,4-Dinitrotoluene	11/09/88	12/07/88	ND		722.97	2.000
Diethylphthalate	11/09/88	12/07/88	ND		722.97	2.000
4-Chlorophenyl Phenyl Ether	11/09/88	12/07/88	ND		722.97	2.000
Fluorene	11/09/88	12/07/88	640.00	J	722.97	2.000
4-Nitroaniline	11/09/88	12/07/88	ND		3505.31	2.000

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PARAMETER	DATE_EXT	DATE_AMA	CONC.	ERR	DL	DIL
4,6-Dinitro-2-methylphenol	11/09/88	12/07/88	ND		3505.31	2.000
N-nitrosodiphenylamine	11/09/88	12/07/88	ND		722.97	2.000
4-Bromophenyl Phenyl ether	11/09/88	12/07/88	ND		722.97	2.000
Hexachlorobenzene	11/09/88	12/07/88	ND		722.97	2.000
Pentachlorophenol	11/09/88	12/07/88	ND		3505.31	2.000
Phenanthrene	11/09/88	12/07/88	1400.00	J	722.97	2.000
Anthracene	11/09/88	12/07/88	ND		722.97	2.000
Di-n-butylphthalate	11/09/88	12/07/88	ND		722.97	2.000
Fluoranthene	11/09/88	12/07/88	120.00	J	722.97	2.000
Pyrene	11/09/88	12/07/88	1400.00	J	722.97	2.000
Butyl Benzyl Phthalate	11/09/88	12/07/88	ND		722.97	2.000
3,3'-Dichlorobenzidine	11/09/88	12/07/88	ND		1445.94	2.000
Benzo(a)anthracene	11/09/88	12/07/88	ND		722.97	2.000
Chrysene	11/09/88	12/07/88	ND		722.97	2.000
bis(2-ethylhexyl)phthalate	11/09/88	12/07/88	1300.00	JN	722.97	2.000
Di-n-octyl Phthalate	11/09/88	12/07/88	ND		722.97	2.000
Benzo(b)fluoranthene	11/09/88	12/07/88	ND		722.97	2.000
Benzo(k)fluoranthene	11/09/88	12/07/88	ND		722.97	2.000
Benzo(a)pyrene	11/09/88	12/07/88	ND		722.97	2.000
Indeno(1,2,3-cd)pyrene	11/09/88	12/07/88	ND		722.97	2.000
Dibenzo(a,h)anthracene	11/09/88	12/07/88	ND		722.97	2.000
Benzo(g,h,i)perylene	11/09/88	12/07/88	ND		722.97	2.000

ENGINEERING SCIENCE 133-07

C:\R-04.DBF

CUSTOMER ID: BC3-SB4-SS2-15-20

metaTRACE LAB ID: AA21532

SAMPLE DATE: 11/04/88

MATRIX: SOIL

CATEGORY: SEMI-VOLATILES

METHOD: EPA 8270

UNITS: UG/KG

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PARAMETER	DATE_EXT	DATE_AMA	CONC.	ERR	DL	DIL
Phenol	11/09/88	11/29/88	ND		380.01	1.000
bis(2-Chloroethyl) ether	11/09/88	11/29/88	ND		380.01	1.000
2-Chlorophenol	11/09/88	11/29/88	ND		380.01	1.000
1,3-Dichlorobenzene	11/09/88	11/29/88	ND		380.01	1.000
1,4-Dichlorobenzene	11/09/88	11/29/88	ND		380.01	1.000
Benzyl Alcohol	11/09/88	11/29/88	ND		380.01	1.000
1,2-Dichlorobenzene	11/09/88	11/29/88	ND		380.01	1.000
2-Methylphenol	11/09/88	11/29/88	ND		380.01	1.000
bis(2-Chloroisopropyl) ether	11/09/88	11/29/88	ND		380.01	1.000
4-Methylphenol	11/09/88	11/29/88	ND		380.01	1.000
N-Nitroso-Dipropylamine	11/09/88	11/29/88	ND		380.01	1.000
Hexachloroethane	11/09/88	11/29/88	ND		380.01	1.000
Nitrobenzene	11/09/88	11/29/88	ND		380.01	1.000
Isophorone	11/09/88	11/29/88	ND		380.01	1.000
2-Nitrophenol	11/09/88	11/29/88	ND		1842.47	1.000
2,4-Dimethylphenol	11/09/88	11/29/88	ND		380.01	1.000
Benzoic Acid	11/09/88	11/29/88	ND		1842.47	1.000
bis(2-Chloroethoxy) methane	11/09/88	11/29/88	ND		380.01	1.000
2,4-Dichlorophenol	11/09/88	11/29/88	ND		380.01	1.000
1,2,4-Trichlorobenzene	11/09/88	11/29/88	ND		380.01	1.000
Naphthalene	11/09/88	12/02/88	5400.00	J	76001.84	200.000
4-Chloroaniline	11/09/88	11/29/88	ND		380.01	1.000
Hexachlorobutadiene	11/09/88	11/29/88	ND		380.01	1.000
4-Chloro-3-methylphenol	11/09/88	11/29/88	ND		380.01	1.000
2-Methylnaphthalene	11/09/88	12/02/88	480000.00	J	380.01	1.000
Hexachlorocyclopentadiene	11/09/88	11/29/88	ND		380.01	1.000
2,4,6-Trichlorophenol	11/09/88	11/29/88	ND		380.01	1.000
2,4,5-Trichlorophenol	11/09/88	11/29/88	ND		1842.47	1.000
2-Chloronaphthalene	11/09/88	11/29/88	ND		380.01	1.000
2-Nitroaniline	11/09/88	11/29/88	ND		1842.47	1.000
Dimethyl Phthalate	11/09/88	11/29/88	ND		380.01	1.000
Acenaphthylene	11/09/88	11/29/88	ND		380.01	1.000
2,6-Dinitrotoluene	11/09/88	11/29/88	ND		380.01	1.000
3-Nitroaniline	11/09/88	11/29/88	ND		1842.47	1.000
Acenaphthene	11/09/88	11/29/88	1500.00	J	380.01	1.000
2,4-Dinitrophenol	11/09/88	11/29/88	ND		1842.47	1.000
4-Nitrophenol	11/09/88	11/29/88	ND		1842.47	1.000
Dibenzofuran	11/09/88	11/29/88	ND		380.01	1.000
2,4-Dinitrotoluene	11/09/88	11/29/88	ND		380.01	1.000
Diethylphthalate	11/09/88	11/29/88	ND		380.01	1.000
4-Chlorophenyl Phenyl Ether	11/09/88	11/29/88	ND		380.01	1.000
Fluorene	11/09/88	11/29/88	2200.00	JN	380.01	1.000
4-Nitroaniline	11/09/88	11/29/88	ND		1842.47	1.000

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PARAMETER	DATE_EXT	DATE_AMA	CONC.	ERR	DL	DIL
4,6-Dinitro-2-methylphenol	11/09/88	11/29/88	ND		1842.47	1.000
N-nitrosodiphenylamine	11/09/88	11/29/88	ND		380.01	1.000
4-Bromophenyl Phenyl ether	11/09/88	11/29/88	ND		380.01	1.000
Hexachlorobenzene	11/09/88	11/29/88	ND		380.01	1.000
Pentachlorophenol	11/09/88	11/29/88	ND		1842.47	1.000
Phenanthrene	11/09/88	11/29/88	ND		380.01	1.000
Anthracene	11/09/88	11/29/88	ND		380.01	1.000
Di-n-butylphthalate	11/09/88	11/29/88	ND		380.01	1.000
Fluoranthene	11/09/88	11/29/88	150.00	J	380.01	1.000
Pyrene	11/09/88	11/29/88	1100.00	J	380.01	1.000
Butyl Benzyl Phthalate	11/09/88	11/29/88	ND		380.01	1.000
3,3'-Dichlorobenzidine	11/09/88	11/29/88	ND		760.02	1.000
Benzo(a)anthracene	11/09/88	11/29/88	ND		380.01	1.000
Chrysene	11/09/88	11/29/88	ND		380.01	1.000
bis(2-ethylhexyl)phthalate	11/09/88	11/29/88	460.00	JN	380.01	1.000
Di-n-octyl Phthalate	11/09/88	11/29/88	110.00	J	380.01	1.000
Benzo(b)fluoranthene	11/09/88	11/29/88	ND		380.01	1.000
Benzo(k)fluoranthene	11/09/88	11/29/88	ND		380.01	1.000
Benzo(a)pyrene	11/09/88	11/29/88	ND		380.01	1.000
Indeno(1,2,3-cd)pyrene	11/09/88	11/29/88	ND		380.01	1.000
Dibenzo(a,h)anthracene	11/09/88	11/29/88	ND		380.01	1.000
Benzo(g,h,i)perylene	11/09/88	11/29/88	ND		380.01	1.000

ENGINEERING SCIENCE 135-07

C:\R-04A.DBF

CUSTOMER ID: BC3-SB4-SB3-30-35

metaTRACE LAB ID: AA21533

SAMPLE DATE: 11/04/88

MATRIX: SOIL

CATEGORY: SEMI-VOLATILES

METHOD: EPA 8270

UNITS: UG/KG

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05/15/89

PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	DIL
Phenol	11/09/88	11/30/88	3100.00	J	414.47	1.000
bis(2-Chloroethyl) ether	11/09/88	11/30/88	ND		414.47	1.000
2-Chlorophenol	11/09/88	11/30/88	ND		414.47	1.000
1,3-Dichlorobenzene	11/09/88	11/30/88	ND		414.47	1.000
1,4-Dichlorobenzene	11/09/88	11/30/88	ND		414.47	1.000
Benzyl Alcohol	11/09/88	11/30/88	ND		414.47	1.000
1,2-Dichlorobenzene	11/09/88	11/30/88	ND		414.47	1.000
2-Methylphenol	11/09/88	11/30/88	ND		414.47	1.000
bis(2-Chloroisopropyl) ether	11/09/88	11/30/88	ND		414.47	1.000
4-Methylphenol	11/09/88	11/30/88	230.00	J	414.47	1.000
N-Nitroso-Dipropylamine	11/09/88	11/30/88	ND		414.47	1.000
Hexachloroethane	11/09/88	11/30/88	ND		414.47	1.000
Nitrobenzene	11/09/88	11/30/88	ND		414.47	1.000
Isophorone	11/09/88	11/30/88	ND		414.47	1.000
2-Nitrophenol	11/09/88	11/30/88	ND		2009.55	1.000
2,4-Dimethylphenol	11/09/88	11/30/88	ND		414.47	1.000
Benzoic Acid	11/09/88	11/30/88	ND		2009.55	1.000
bis(2-Chloroethoxy) methane	11/09/88	11/30/88	ND		414.47	1.000
2,4-Dichlorophenol	11/09/88	11/30/88	ND		414.47	1.000
1,2,4-Trichlorobenzene	11/09/88	11/30/88	ND		414.47	1.000
Naphthalene	11/09/88	11/30/88	3000.00	J	414.47	1.000
4-Chloroaniline	11/09/88	11/30/88	ND		414.47	1.000
Hexachlorobutadiene	11/09/88	11/30/88	ND		414.47	1.000
4-Chloro-3-methylphenol	11/09/88	11/30/88	ND		414.47	1.000
2-Methylnaphthalene	11/09/88	11/30/88	34000.00	J	4144.67	100.000
Hexachlorocyclopentadiene	11/09/88	11/30/88	ND		414.47	1.000
2,4,6-Trichlorophenol	11/09/88	11/30/88	ND		414.47	1.000
2,4,5-Trichlorophenol	11/09/88	11/30/88	ND		2009.55	1.000
2-Chloronaphthalene	11/09/88	11/30/88	ND		414.47	1.000
2-Nitroaniline	11/09/88	11/30/88	ND		2009.55	1.000
Dimethyl Phthalate	11/09/88	11/30/88	ND		414.47	1.000
Acenaphthylene	11/09/88	11/30/88	ND		414.47	1.000
2,6-Dinitrotoluene	11/09/88	11/30/88	ND		414.47	1.000
3-Nitroaniline	11/09/88	11/30/88	ND		2009.55	1.000
Acenaphthene	11/09/88	11/30/88	ND		414.47	1.000
2,4-Dinitrophenol	11/09/88	11/30/88	ND		2009.55	1.000
4-Nitrophenol	11/09/88	11/30/88	ND		2009.55	1.000
Dibenzofuran	11/09/88	11/30/88	ND		414.47	1.000
2,4-Dinitrotoluene	11/09/88	11/30/88	ND		414.47	1.000
Diethylphthalate	11/09/88	11/30/88	ND		414.47	1.000
4-Chlorophenyl Phenyl Ether	11/09/88	11/30/88	ND		414.47	1.000
Fluorene	11/09/88	11/30/88	ND		414.47	1.000
4-Nitroaniline	11/09/88	11/30/88	ND		2009.55	1.000

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PARAMETER	DATE_EXT	DATE_AMA	CONC.	ERR	DL	DIL
4,6-Dinitro-2-methylphenol	11/09/88	11/30/88	ND		2009.55	1.000
N-nitrosodiphenylamine	11/09/88	11/30/88	120.00	J	414.47	1.000
4-Bromophenyl Phenyl ether	11/09/88	11/30/88	ND		414.47	1.000
Hexachlorobenzene	11/09/88	11/30/88	ND		414.47	1.000
Pentachlorophenol	11/09/88	11/30/88	ND		2009.55	1.000
Phenanthrene	11/09/88	11/30/88	60.00	J	414.47	1.000
Anthracene	11/09/88	11/30/88	ND		414.47	1.000
Di-n-butylphthalate	11/09/88	11/30/88	ND		414.47	1.000
Fluoranthene	11/09/88	11/30/88	ND		414.47	1.000
Pyrene	11/09/88	11/30/88	ND		414.47	1.000
Butyl Benzyl Phthalate	11/09/88	11/30/88	ND		414.47	1.000
3,3'-Dichlorobenzidine	11/09/88	11/30/88	ND		828.94	1.000
Benzo(a)anthracene	11/09/88	11/30/88	ND		414.47	1.000
Chrysene	11/09/88	11/30/88	ND		414.47	1.000
bis(2-ethylhexyl)phthalate	11/09/88	11/30/88	60.00	J	414.47	1.000
Di-n-octyl Phthalate	11/09/88	11/30/88	ND		414.47	1.000
Benzo(b)fluoranthene	11/09/88	11/30/88	ND		414.47	1.000
Benzo(k)fluoranthene	11/09/88	11/30/88	ND		414.47	1.000
Benzo(a)pyrene	11/09/88	11/30/88	ND		414.47	1.000
Indeno(1,2,3-cd)pyrene	11/09/88	11/30/88	ND		414.47	1.000
Dibenzo(a,h)anthracene	11/09/88	11/30/88	ND		414.47	1.000
Benzo(g,h,i)perylene	11/09/88	11/30/88	ND		414.47	1.000

ENGINEERING SCIENCE 135-07

C:\R-04.DBF

CUSTOMER ID: BC3-SB4-SS1-0-5

etaTRACE LAB ID: AA21531

SAMPLE DATE: 11/04/88

MATRIX: SOIL

CATEGORY: VOLATILES

METHOD: EPA 8240

UNITS: UG/KG

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PARAMETER	DATE_EXT	DATE_AMA	CONC.	ERR	DL	DIL
Chloromethane	NA	11/10/88	ND		10.95	1.000
Bromomethane	NA	11/10/88	ND		10.95	1.000
Vinyl Chloride	NA	11/10/88	ND		10.95	1.000
Chloroethane	NA	11/10/88	ND		10.95	1.000
Methylene Chloride	NA	11/10/88	45.00	5	5.48	1.000
Acetone	NA	11/10/88	130.00		10.95	1.000
Carbon Disulfide	NA	11/10/88	ND		5.48	1.000
1,1-Dichloroethane	NA	11/10/88	ND		5.48	1.000
1,1-Dichloroethane	NA	11/10/88	ND		5.48	1.000
1,2-Dichloroethane (total)	NA	11/10/88	11.00		5.48	1.000
Chloroform	NA	11/10/88	ND		5.48	1.000
1,2-Dichloroethane	NA	11/10/88	ND		5.48	1.000
2-Butanone	NA	11/10/88	ND		10.95	1.000
1,1,1-Trichloroethane	NA	11/10/88	ND		5.48	1.000
Carbon Tetrachloride	NA	11/10/88	ND		5.48	1.000
Vinyl Acetate	NA	11/10/88	ND		10.95	1.000
Bromodichloromethane	NA	11/10/88	ND		5.48	1.000
1,1,2,2-Tetrachloroethane	NA	11/10/88	ND		5.48	1.000
1,2-Dichloropropene	NA	11/10/88	ND		5.48	1.000
cis-1,3-Dichloropropene	NA	11/10/88	ND		5.48	1.000
Trichloroethene	NA	11/10/88	ND		5.48	1.000
Dibromochloromethane	NA	11/10/88	ND		5.48	1.000
1,1,2-Trichloroethane	NA	11/10/88	ND		5.48	1.000
Benzene	NA	11/10/88	ND		5.48	1.000
trans-1,3-Dichloropropene	NA	11/10/88	ND		5.48	1.000
Bromoform	NA	11/10/88	ND		5.48	1.000
2-Hexanone	NA	11/10/88	ND		10.95	1.000
4-Methyl-2-pentanone	NA	11/10/88	ND		10.95	1.000
Tetrachloroethane	NA	11/10/88	ND		5.48	1.000
Toluene	NA	11/10/88	ND		5.48	1.000
Chlorobenzene	NA	11/10/88	ND		5.48	1.000
Ethyl Benzene	NA	11/10/88	ND		5.48	1.000
Styrene	NA	11/10/88	ND		5.48	1.000
Xylenes (Total)	NA	11/10/88	1100.00		5.48	1.000

ENGINEERING SCIENCE 135-07

C:R-04.DBF

CUSTOMER ID: BC3-SB4-SS2-15-20

metaTRACE LAB ID: AA21532

SAMPLE DATE: 11/04/88

MATRIX: SOIL

CATEGORY: VOLATILES

METHOD: EPA 8240

UNITS: UG/KG

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PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	DIL
Chloromethane	NA	11/10/88	ND		11.52	1.000
Bromomethane	NA	11/10/88	ND		11.52	1.000
Vinyl Chloride	NA	11/10/88	ND		11.52	1.000
Chloroethane	NA	11/10/88	ND		11.52	1.000
Methylene Chloride	NA	11/10/88	51.00	0	5.76	1.000
Acetone	NA	11/10/88	800.00		57.58	5.000
Carbon Disulfide	NA	11/10/88	ND		5.76	1.000
1,1-Dichloroethene	NA	11/10/88	ND		5.76	1.000
1,1-Dichloroethane	NA	11/10/88	ND		5.76	1.000
1,2-Dichloroethene (total)	NA	11/10/88	ND		5.76	1.000
Chloroform	NA	11/10/88	ND		5.76	1.000
1,2-Dichloroethane	NA	11/10/88	ND		5.76	1.000
2-Butanone	NA	11/10/88	ND		11.52	1.000
1,1,1-Trichloroethane	NA	11/10/88	ND		5.76	1.000
Carbon Tetrachloride	NA	11/10/88	ND		5.76	1.000
Vinyl Acetate	NA	11/10/88	ND		11.52	1.000
Bromodichloromethane	NA	11/10/88	ND		5.76	1.000
1,1,2,2-Tetrachloroethane	NA	11/10/88	ND		5.76	1.000
1,2-Dichloropropane	NA	11/10/88	ND		5.76	1.000
cis-1,3-Dichloropropene	NA	11/10/88	ND		5.76	1.000
Trichloroethene	NA	11/10/88	ND		5.76	1.000
Dibromochloromethane	NA	11/10/88	ND		5.76	1.000
1,1,2-Trichloroethane	NA	11/10/88	ND		5.76	1.000
Benzene	NA	11/10/88	960.00		28.79	5.000
trans-1,3-Dichloropropene	NA	11/10/88	ND		5.76	1.000
Bromoform	NA	11/10/88	ND		5.76	1.000
2-Hexanone	NA	11/10/88	ND		11.52	1.000
4-Methyl-2-pentanone	NA	11/10/88	ND		11.52	1.000
Tetrachloroethene	NA	11/10/88	ND		5.76	1.000
Toluene	NA	11/10/88	1700000.00		287.89	50.000
Chlorobenzene	NA	11/10/88	ND		5.76	1.000
Ethyl Benzene	NA	11/10/88	160000.00		287.89	50.000
Styrene	NA	11/10/88	ND		5.76	1.000
Xylenes (Total)	NA	11/10/88	5100000.00		287.89	50.000

ENGINEERING SCIENCE 135-07

C:\R-04A.DBF

CUSTOMER ID: BC3-SB4-SS3-30-35

metaTRACE LAB ID: AA21533

SAMPLE DATE: 11/04/88

MATRIX: SOIL

CATEGORY: VOLATILES

METHOD: EPA 8240

UNITS: UG/KG

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PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	DIL
Chloromethane	NA	11/11/88	ND		12.56	1.000
Bromomethane	NA	11/11/88	ND		12.56	1.000
Vinyl Chloride	NA	11/11/88	ND		12.56	1.000
Chloroethane	NA	11/11/88	ND		12.56	1.000
Methylene Chloride	NA	11/11/88	240000.00	B	627.98	100.000
Acetone	NA	11/11/88	800.00		62.80	5.000
Carbon Disulfide	NA	11/11/88	ND		6.28	1.000
1,1-Dichloroethene	NA	11/11/88	ND		6.28	1.000
1,1-Dichloroethane	NA	11/11/88	ND		6.28	1.000
1,2-Dichloroethene (total)	NA	11/11/88	500.00		31.40	5.000
Chloroform	NA	11/11/88	ND		6.28	1.000
1,2-Dichloroethane	NA	11/11/88	ND		6.28	1.000
2-Butanone	NA	11/11/88	ND		12.56	1.000
1,1,1-Trichloroethane	NA	11/11/88	ND		6.28	1.000
Carbon Tetrachloride	NA	11/11/88	ND		6.28	1.000
Vinyl Acetate	NA	11/11/88	ND		12.56	1.000
Bromodichloromethane	NA	11/11/88	ND		6.28	1.000
1,1,2,2-Tetrachloroethane	NA	11/11/88	ND		6.28	1.000
1,2-Dichloropropane	NA	11/11/88	ND		6.28	1.000
cis-1,3-Dichloropropene	NA	11/11/88	ND		6.28	1.000
Trichloroethene	NA	11/11/88	ND		6.28	1.000
Dibromochloromethane	NA	11/11/88	ND		6.28	1.000
1,1,2-Trichloroethane	NA	11/11/88	ND		6.28	1.000
Benzene	NA	11/11/88	ND		6.28	1.000
trans-1,3-Dichloropropene	NA	11/11/88	ND		6.28	1.000
Bromoform	NA	11/11/88	ND		6.28	1.000
2-Hexanone	NA	11/11/88	ND		12.56	1.000
4-Methyl-2-pentanone	NA	11/11/88	ND		12.56	1.000
Tetrachloroethene	NA	11/11/88	ND		6.28	1.000
Toluene	NA	11/11/88	2400000.00	E	627.98	100.000
Chlorobenzene	NA	11/11/88	ND		6.28	1.000
Ethyl Benzene	NA	11/11/88	190000.00	E	627.98	100.000
Styrene	NA	11/11/88	ND		6.28	1.000
Xylenes (Total)	NA	11/11/88	2200000.00	E	627.98	100.000

ENGINEERING SCIENCE 135-07

C:\R-04.D8F

CUSTOMER ID: BC3-SB4-SS1-0-5

metaTRACE LAB ID: AA21531

SAMPLE DATE: 11/04/88

MATRIX: SOIL

CATEGORY: PP_METALS

METHOD: EPA 6010

UNITS: UG/G

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PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	DIL
Antimony	NA	12/27/88	ND		12.05	1.000
Arsenic	NA	12/21/88	4.59		0.66	1.000
Beryllium	NA	12/27/88	ND		1.10	1.000
Cadmium	NA	12/27/88	1.93		1.10	1.000
Chromium	NA	12/27/88	14.76		2.19	1.000
Copper	NA	12/27/88	39.98		2.19	1.000
Lead	NA	12/27/88	ND		0.66	1.000
Nickel	NA	12/27/88	6.56		0.66	1.000
Mercury	NA	11/19/88	ND		0.11	1.000
Selenium	NA	12/22/88	ND		0.44	1.000
Silver	NA	12/27/88	ND		1.53	1.000
Thallium	NA	12/21/88	ND		0.66	1.000
Zinc	NA	12/27/88	71.96		0.88	1.000

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SAMPLE DATE: 11/04/88

UNITS: UG/G

PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	DIL
Antimony	NA	12/27/88	ND		12.67	1.000
Arsenic	NA	12/21/88	2.98		0.69	1.000
Beryllium	NA	12/27/88	ND		1.15	1.000
Cadmium	NA	12/27/88	ND		1.15	1.000
Chromium	NA	12/27/88	4.06		2.30	1.000
Copper	NA	12/27/88	41.36		2.30	1.000
Lead	NA	12/21/88	3.37		0.69	1.000
Nickel	NA	12/27/88	ND		0.69	1.000
Mercury	NA	11/19/88	ND		0.12	1.000
Selenium	NA	12/22/88	ND		0.46	1.000
Silver	NA	12/27/88	ND		1.61	1.000
Thallium	NA	12/21/88	ND		0.69	1.000
Zinc	NA	12/27/88	21.41		0.92	1.000

ENGINEERING SCIENCE 135-07

C:\R-04A.DBF

CUSTOMER ID: BC3-SB4-SS3-30-35

metaTRACE LAB ID: AA21533

SAMPLE DATE: 11/04/88

MATRIX: SOIL

CATEGORY: PP_METALS

METHOD: EPA 6010

UNITS: UG/G

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PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	DIL
Antimony	NA	12/27/88	ND		13.82	1.000
Arsenic	NA	12/21/88	5.59		0.75	1.000
Beryllium	NA	12/27/88	ND		1.26	1.000
Cadmium	NA	12/27/88	ND		1.26	1.000
Chromium	NA	12/27/88	8.14		2.51	1.000
Copper	NA	12/27/88	13.23		2.51	1.000
Lead	NA	12/21/88	4.06		0.75	1.000
Nickel	NA	12/27/88	7.16		0.75	1.000
Mercury	NA	11/19/88	ND		0.13	1.000
Selenium	NA	12/22/88	ND		0.50	1.000
Silver	NA	12/27/88	ND		1.76	1.000
Thallium	NA	12/21/88	ND		0.75	1.000
Zinc	NA	12/27/88	41.03		1.00	1.000

ENGINEERING SCIENCE 135-07

C:\R-04.DBF

CUSTOMER ID: BC3-SB4-SS2-15-20

metaTRACE LAB ID: AA21532

SAMPLE DATE: 11/04/88

MATRIX: SOIL

CATEGORY: MISC.

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05/15/89

PARAMETER	METHOD	DATE EXT	DATE_AMA	CONC.	UNITS	ERR	DL	DIL
Percent Moisture	ASTM	NA	12/20/88	13.16	PRCNT	-	-	1.000

ENGINEERING SCIENCE 135-07

C:\R-04A.D0F

CUSTOMER ID: BC3-S84-S83-30-35

metaTRACE LAB ID: AA21533

SAMPLE DATE: 11/04/88

MATRIX: SOIL

CATEGORY: MISC.

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PARAMETER	METHOD	DATE EXT	DATE_AMA	CONC.	UNITS	ERR	DL	DIL
Percent Moisture	ASTM	NA	12/20/88	20.38	PRCNT	-		1.000

ENGINEERING SCIENCE 133-07

C:\R-05.DBF

CUSTOMER ID: BC3-SB5-SS1-0-5

ataTRACE LAB ID: AA21594

SAMPLE DATE: 11/05/88

MATRIX: SOIL

CATEGORY: SEMI-VOLATILES

METHOD: EPA 8270

UNITS: UG/KG

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05/15/89

PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	DIL
Phenol	11/10/88	12/02/88	ND		736.61	2.000
bis(2-Chloroethyl) ether	11/10/88	12/02/88	ND		736.61	2.000
2-Chlorophenol	11/10/88	12/02/88	ND		736.61	2.000
1,3-Dichlorobenzene	11/10/88	12/02/88	ND		736.61	2.000
1,4-Dichlorobenzene	11/10/88	12/02/88	ND		736.61	2.000
Benzyl Alcohol	11/10/88	12/02/88	ND		736.61	2.000
1,2-Dichlorobenzene	11/10/88	12/02/88	ND		736.61	2.000
2-Methylphenol	11/10/88	12/02/88	ND		736.61	2.000
bis(2-Chloroisopropyl) ether	11/10/88	12/02/88	ND		736.61	2.000
4-Methylphenol	11/10/88	12/02/88	ND		736.61	2.000
N-Nitroso-Dipropylamine	11/10/88	12/02/88	ND		736.61	2.000
Hexachloroethane	11/10/88	12/02/88	ND		736.61	2.000
Nitrobenzene	11/10/88	12/02/88	ND		736.61	2.000
Isophorone	11/10/88	12/02/88	ND		736.61	2.000
2-Nitrophenol	11/10/88	12/02/88	ND		3571.43	2.000
2,4-Dimethylphenol	11/10/88	12/02/88	ND		736.61	2.000
Benzoic Acid	11/10/88	12/02/88	ND		3571.43	2.000
bis(2-Chloroethoxy) methane	11/10/88	12/02/88	ND		736.61	2.000
2,4-Dichlorophenol	11/10/88	12/02/88	ND		736.61	2.000
1,2,4-Trichlorobenzene	11/10/88	12/02/88	ND		736.61	2.000
Naphthalene	11/10/88	12/02/88	ND		736.61	2.000
4-Chloroaniline	11/10/88	12/02/88	ND		736.61	2.000
Hexachlorobutadiene	11/10/88	12/02/88	ND		736.61	2.000
4-Chloro-3-methylphenol	11/10/88	12/02/88	ND		736.61	2.000
2-Methylnaphthalene	11/10/88	12/02/88	ND		736.61	2.000
Hexachlorocyclopentadiene	11/10/88	12/02/88	ND		736.61	2.000
2,4,6-Trichlorophenol	11/10/88	12/02/88	ND		736.61	2.000
2,4,5-Trichlorophenol	11/10/88	12/02/88	ND		3571.43	2.000
2-Chloronaphthalene	11/10/88	12/02/88	ND		736.61	2.000
2-Nitroaniline	11/10/88	12/02/88	ND		3571.43	2.000
Dimethyl Phthalate	11/10/88	12/02/88	ND		736.61	2.000
Aceonaphthylene	11/10/88	12/02/88	ND		736.61	2.000
2,6-Dinitrotoluene	11/10/88	12/02/88	ND		736.61	2.000
3-Nitroaniline	11/10/88	12/02/88	ND		3571.43	2.000
Aceonaphthene	11/10/88	12/02/88	630.00	J	736.61	2.000
2,4-Dinitrophenol	11/10/88	12/02/88	ND		3571.43	2.000
4-Nitrophenol	11/10/88	12/02/88	ND		3571.43	2.000
Dibenzofuran	11/10/88	12/02/88	ND		736.61	2.000
2,4-Dinitrotoluene	11/10/88	12/02/88	ND		736.61	2.000
Diethylphthalate	11/10/88	12/02/88	ND		736.61	2.000
4-Chlorophenyl Phenyl Ether	11/10/88	12/02/88	ND		736.61	2.000
Fluorene	11/10/88	12/02/88	ND		736.61	2.000
4-Nitroaniline	11/10/88	12/02/88	ND		3571.43	2.000

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05/15/89

PARAMETER	DATE_EXT	DATE_AMA	CONC.	ERR	DL	DIL
4,6-Dinitro-2-methylphenol	11/10/88	12/02/88	ND		3571.43	2.000
N-nitrosodiphenylamine	11/10/88	12/02/88	ND		736.61	2.000
4-Bromophenyl Phenyl ether	11/10/88	12/02/88	ND		736.61	2.000
Hexachlorobenzene	11/10/88	12/02/88	ND		736.61	2.000
Pentachlorophenol	11/10/88	12/02/88	ND		3571.43	2.000
Phenanthrene	11/10/88	12/02/88	ND		736.61	2.000
Anthracene	11/10/88	12/02/88	ND		736.61	2.000
Di-n-butylphthalate	11/10/88	12/02/88	ND		736.61	2.000
Fluoranthene	11/10/88	12/02/88	290.00	J	736.61	2.000
Pyrene	11/10/88	12/02/88	3300.00	J	736.61	2.000
Butyl Benzyl Phthalate	11/10/88	12/02/88	ND		736.61	2.000
3,3'-Dichlorobenzidine	11/10/88	12/02/88	ND		1473.21	2.000
Benzo(a)anthracene	11/10/88	12/02/88	ND		736.61	2.000
Chrysene	11/10/88	12/02/88	ND		736.61	2.000
bis(2-ethylhexyl)phthalate	11/10/88	12/02/88	4100.00	JN	736.61	2.000
Di-n-octyl Phthalate	11/10/88	12/02/88	ND		736.61	2.000
Benzo(b)fluoranthene	11/10/88	12/02/88	ND		736.61	2.000
Benzo(k)fluoranthene	11/10/88	12/02/88	ND		736.61	2.000
Benzo(a)pyrene	11/10/88	12/02/88	ND		736.61	2.000
Indeno(1,2,3-cd)pyrene	11/10/88	12/02/88	ND		736.61	2.000
Dibenzo(a,h)anthracene	11/10/88	12/02/88	ND		736.61	2.000
Benzo(g,h,i)perylene	11/10/88	12/02/88	ND		736.61	2.000

ENGINEERING SCIENCE 135-07

C:\R-05.DBF

CUSTOMER ID: 8C3-S85-SS1-0-5

metaTRACE LAB ID: AA21594

SAMPLE DATE: 11/05/88

MATRIX: SOIL

CATEGORY: VOLATILES

METHOD: EPA 8240

UNITS: UG/KG

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PARAMETER	DATE_EXT	DATE_AMA	CONC.	ERR	DL	DIL
Chloromethane	NA	11/15/88	ND		11.16	1.000
Bromomethane	NA	11/15/88	ND		11.16	1.000
Vinyl Chloride	NA	11/15/88	ND		11.16	1.000
Chloroethane	NA	11/15/88	ND		11.16	1.000
Methylene Chloride	NA	11/15/88	ND		5.58	1.000
Acetone	NA	11/15/88	ND		11.16	1.000
Carbon Disulfide	NA	11/15/88	ND		5.58	1.000
1,1-Dichloroethene	NA	11/15/88	ND		5.58	1.000
1,1-Dichloroethane	NA	11/15/88	ND		5.58	1.000
1,2-Dichloroethene (total)	NA	11/15/88	ND		5.58	1.000
Chloroform	NA	11/15/88	ND		5.58	1.000
1,2-Dichloroethane	NA	11/15/88	ND		5.58	1.000
2-Butanone	NA	11/15/88	ND		11.16	1.000
1,1,1-Trichloroethane	NA	11/15/88	ND		5.58	1.000
Carbon Tetrachloride	NA	11/15/88	ND		5.58	1.000
Vinyl Acetate	NA	11/15/88	ND		11.16	1.000
Bromodichloromethane	NA	11/15/88	ND		5.58	1.000
1,1,2,2-Tetrachloroethane	NA	11/15/88	ND		5.58	1.000
1,2-Dichloropropane	NA	11/15/88	ND		5.58	1.000
cis-1,3-Dichloropropane	NA	11/15/88	ND		5.58	1.000
Trichloroethene	NA	11/15/88	ND		5.58	1.000
Dibromochloromethane	NA	11/15/88	ND		5.58	1.000
1,1,2-Trichloroethane	NA	11/15/88	ND		5.58	1.000
Benzene	NA	11/15/88	ND		5.58	1.000
trans-1,3-Dichloropropane	NA	11/15/88	ND		5.58	1.000
Bromoform	NA	11/15/88	ND		5.58	1.000
2-Hexanone	NA	11/15/88	ND		11.16	1.000
4-Methyl-2-pentanone	NA	11/15/88	ND		11.16	1.000
Tetrachloroethene	NA	11/15/88	ND		5.58	1.000
Toluene	NA	11/15/88	ND		5.58	1.000
Chlorobenzene	NA	11/15/88	ND		5.58	1.000
Ethyl Benzene	NA	11/15/88	ND		5.58	1.000
Styrene	NA	11/15/88	ND		5.58	1.000
Xylenes (Total)	NA	11/15/88	ND		5.58	1.000

ENGINEERING SCIENCE 135-07

C:R-05A.08F

CUSTOMER ID: BC3-SB5-SS2-20-25

metaTRACE LAB ID: AA21595

SAMPLE DATE: 11/05/88

MATRIX: SOIL

CATEGORY: SEMI-VOLATILES

METHOD: EPA 8270

UNITS: UG/KG

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05/15/89

PARAMETER	DATE_EXT	DATE_AMA	CONC.	ERR	DL	DIL
Phenol	11/10/88	12/02/88	ND		352.75	1.000
bis(2-Chloroethyl) ether	11/10/88	12/02/88	ND		352.75	1.000
2-Chlorophenol	11/10/88	12/02/88	ND		352.75	1.000
1,3-Dichlorobenzene	11/10/88	12/02/88	ND		352.75	1.000
1,4-Dichlorobenzene	11/10/88	12/02/88	ND		352.75	1.000
Benzyl Alcohol	11/10/88	12/02/88	ND		352.75	1.000
1,2-Dichlorobenzene	11/10/88	12/02/88	ND		352.75	1.000
2-Methylphenol	11/10/88	12/02/88	ND		352.75	.000
bis(2-Chloroisopropyl) ether	11/10/88	12/02/88	ND		352.75	.000
4-Methylphenol	11/10/88	12/02/88	ND		352.75	1.000
N-Nitroso-Dipropylamine	11/10/88	12/02/88	ND		352.75	1.000
Hexachloroethane	11/10/88	12/02/88	ND		352.75	1.000
Nitrobenzene	11/10/88	12/02/88	ND		352.75	1.000
Isophorone	11/10/88	12/02/88	ND		352.75	1.000
2-Nitrophenol	11/10/88	12/02/88	ND		1710.32	1.000
2,4-Dimethylphenol	11/10/88	12/02/88	ND		352.75	1.000
Benzoic Acid	11/10/88	12/02/88	ND		1710.32	1.000
bis(2-Chloroethoxy) methane	11/10/88	12/02/88	ND		352.75	1.000
2,4-Dichlorophenol	11/10/88	12/02/88	ND		352.75	1.000
1,2,4-Trichlorobenzene	11/10/88	12/02/88	ND		352.75	1.000
Naphthalene	11/10/88	12/02/88	4700.00	J	352.75	1.000
4-Chloroaniline	11/10/88	12/02/88	ND		352.75	1.000
Hexachlorobutadiene	11/10/88	12/02/88	ND		352.75	1.000
4-Chloro-3-methylphenol	11/10/88	12/02/88	ND		352.75	1.000
2-Methylnaphthalene	11/10/88	12/07/88	160000.00	J	70550.51	200.000
Hexachlorocyclopentadiene	11/10/88	12/02/88	ND		352.75	1.000
2,4,6-Trichlorophenol	11/10/88	12/02/88	ND		352.75	1.000
2,4,5-Trichlorophenol	11/10/88	12/02/88	ND		1710.32	1.000
2-Chloronaphthalene	11/10/88	12/02/88	ND		352.75	1.000
2-Nitroaniline	11/10/88	12/02/88	ND		1710.32	1.000
Dimethyl Phthalate	11/10/88	12/02/88	ND		352.75	1.000
Acanaphthylene	11/10/88	12/02/88	ND		352.75	1.000
2,6-Dinitrotoluene	11/10/88	12/02/88	ND		352.75	1.000
3-Nitroaniline	11/10/88	12/02/88	ND		1710.32	1.000
Acanaphthene	11/10/88	12/02/88	180.00	J	352.75	1.000
2,4-Dinitrophenol	11/10/88	12/02/88	ND		1710.32	1.000
4-Nitrophenol	11/10/88	12/02/88	ND		1710.32	1.000
Dibenzofuran	11/10/88	12/02/88	ND		352.75	1.000
2,4-Dinitrotoluene	11/10/88	12/02/88	ND		352.75	1.000
Diethylphthalate	11/10/88	12/02/88	ND		352.75	1.000
4-Chlorophenyl Phenyl Ether	11/10/88	12/02/88	ND		352.75	1.000
Fluorene	11/10/88	12/02/88	210.00	J	352.75	1.000
4-Nitroaniline	11/10/88	12/02/88	ND		1710.32	1.000

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PARAMETER	DATE_EXT	DATE_AMA	CONC.	ERR	DL	DIL
4,6-Dinitro-2-methylphenol	11/09/88	11/30/88	ND		1648.44	1.000
N-nitrosodiphenylamine	11/09/88	11/30/88	ND		340.00	1.000
4-Bromophenyl Phenyl ether	11/09/88	11/30/88	ND		340.00	1.000
Hexachlorobenzene	11/09/88	11/30/88	ND		340.00	1.000
Pentachlorophenol	11/09/88	11/30/88	ND		1648.44	1.000
Phenanthrene	11/09/88	11/30/88	ND		340.00	1.000
Anthracene	11/09/88	11/30/88	ND		340.00	1.000
Di-n-butylphthalate	11/09/88	11/30/88	ND		340.00	1.000
Fluoranthene	11/09/88	11/30/88	ND		340.00	1.000
Pyrene	11/09/88	11/30/88	40.00	J	340.00	1.000
Butyl Benzyl Phthalate	11/09/88	11/30/88	ND		340.00	1.000
3,3'-Dichlorobenzidine	11/09/88	11/30/88	ND		679.99	1.000
Benzo(a)anthracene	11/09/88	11/30/88	ND		340.00	1.000
Chrysene	11/09/88	11/30/88	ND		340.00	1.000
bis(2-ethylhexyl)phthalate	11/09/88	11/30/88	190.00	+ JN	340.00	1.000
Di-n-octyl Phthalate	11/09/88	11/30/88	ND		340.00	1.000
Benzo(b)fluoranthene	11/09/88	11/30/88	ND		340.00	1.000
Benzo(k)fluoranthene	11/09/88	11/30/88	ND		340.00	1.000
Benzo(a)pyrene	11/09/88	11/30/88	ND		340.00	1.000
Indeno(1,2,3-cd)pyrene	11/09/88	11/30/88	ND		340.00	1.000
Dibenzo(a,h)anthracene	11/09/88	11/30/88	ND		340.00	1.000
Benzo(g,h,i)perylene	11/09/88	11/30/88	ND		340.00	1.000

ENGINEERING SCIENCE 135-07

C:\R-05A.DBF

CUSTOMER ID: BCS-S85-SS2-20-25

metaTRACE LAB ID: AA21595

SAMPLE DATE: 11/05/88

MATRIX: SOIL

CATEGORY: VOLATILES

METHOD: EPA 8240

UNITS: UG/KG

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PARAMETER	DATE_EXT	DATE_AMA	CONC.	ERR	DL	DIL
Chloromethane	NA	11/15/88	ND		10.69	1.000
Bromomethane	NA	11/15/88	ND		10.69	1.000
Vinyl Chloride	NA	11/15/88	ND		10.69	1.000
Chloroethane	NA	11/15/88	ND		10.69	1.000
Methylene Chloride	NA	11/15/88	21.00		5.34	1.000
Acetone	NA	11/15/88	ND		10.69	1.000
Carbon Disulfide	NA	11/15/88	ND		5.34	1.000
1,1-Dichloroethane	NA	11/15/88	ND		5.34	1.000
1,1-Dichloroethane	NA	11/15/88	ND		5.34	1.000
1,2-Dichloroethane (total)	NA	11/15/88	22.00		5.34	1.000
Chloroform	NA	11/15/88	ND		5.34	1.000
1,2-Dichloroethane	NA	11/15/88	ND		5.34	1.000
2-Butanone	NA	11/15/88	ND		10.69	1.000
1,1,1-Trichloroethane	NA	11/15/88	ND		5.34	1.000
Carbon Tetrachloride	NA	11/15/88	ND		5.34	1.000
Vinyl Acetate	NA	11/15/88	ND		10.69	1.000
Bromodichloromethane	NA	11/15/88	ND		5.34	1.000
1,1,2,2-Tetrachloroethane	NA	11/15/88	ND		5.34	1.000
1,2-Dichloropropane	NA	11/15/88	ND		5.34	1.000
cis-1,3-Dichloropropane	NA	11/15/88	ND		5.34	1.000
Trichloroethane	NA	11/15/88	ND		5.34	1.000
Dibromochloromethane	NA	11/15/88	ND		5.34	1.000
1,1,2-Trichloroethane	NA	11/15/88	ND		5.34	1.000
Benzene	NA	11/15/88	ND		5.34	1.000
trans-1,3-Dichloropropane	NA	11/15/88	ND		5.34	1.000
Bromoform	NA	11/15/88	ND		5.34	1.000
2-Hexanone	NA	11/15/88	ND		10.69	1.000
4-Methyl-2-pentanone	NA	11/15/88	ND		10.69	1.000
Tetrachloroethane	NA	11/15/88	55.00		5.34	1.000
Toluene	NA	11/15/88	ND		5.34	1.000
Chlorobenzene	NA	11/15/88	ND		5.34	1.000
Ethyl Benzene	NA	11/15/88	ND		5.34	1.000
Styrene	NA	11/15/88	ND		5.34	1.000
Xylenes (Total)	NA	11/15/88	14.00		5.34	1.000

ENGINEERING SCIENCE 133-07
C:R-05.D8F
CUSTOMER ID: BC3-S85-SS1-0-5
metaTRACE LAB ID: AA21594
SAMPLE DATE: 11/05/88
MATRIX: SOIL
CATEGORY: PP_METALS
METHOD: EPA 6010
UNITS: UG/G
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05/15/89

PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	DIL
Antimony	NA	12/27/88	ND		12.28	1.000
Arsenic	NA	12/21/88	7.03		0.67	1.000
Beryllium	NA	12/27/88	ND		1.12	1.000
Cadmium	NA	12/27/88	4.10		1.12	1.000
Chromium	NA	12/27/88	54.46		2.23	1.000
Copper	NA	12/27/88	32.70		2.23	1.000
Lead	NA	12/27/88	725.36		0.67	1.000
Nickel	NA	12/27/88	10.69		0.67	1.000
Mercury	NA	11/19/88	ND		0.11	1.000
Selenium	NA	12/22/88	ND		0.45	1.000
Silver	NA	12/27/88	ND		1.56	1.000
Thallium	NA	12/21/88	ND		0.67	1.000
Zinc	NA	12/27/88	184.45		0.89	1.000

ENGINEERING SCIENCE 135-07

C:\R-05A.DBF

CUSTOMER ID: BC3-S85-SS2-20-25

metaTRACE LAB ID: AA21595

SAMPLE DATE: 11/05/88

MATRIX: SOIL

CATEGORY: PP_METALS

METHOD: EPA 6010

UNITS: UG/G

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PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	DIL
Antimony	NA	12/27/88	ND		11.76	1.000
Arsenic	NA	12/21/88	3.26		0.64	1.000
Beryllium	NA	12/27/88	ND		1.07	1.000
Cadmium	NA	12/27/88	ND		1.07	1.000
Chromium	NA	12/27/88	6.30		2.14	1.000
Copper	NA	12/27/88	5.68		2.14	1.000
Lead	NA	12/21/88	3.67		0.64	1.000
Nickel	NA	12/27/88	ND		0.64	1.000
Mercury	NA	11/19/88	ND		0.11	1.000
Selenium	NA	12/22/88	ND		0.43	1.000
Silver	NA	12/27/88	ND		1.50	1.000
Thallium	NA	12/21/88	ND		0.64	1.000
Zinc	NA	12/27/88	29.38		0.86	1.000

ENGINEERING SCIENCE 135-07

C:\R-05.D07

CUSTOMER ID: BCS-SBS-SS1-0-5

metaTRACE LAB ID: AA21594

SAMPLE DATE: 11/05/88

MATRIX: SOIL

CATEGORY: MISC.

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PARAMETER	METHOD	DATE EXT	DATE_ANA	CONC.	UNITS	ERR	DL	DIL
Percent Moisture	ASTM	NA	12/20/88	10.40	PRCNT	-		1.000

ENGINEERING SCIENCE 135-07

C:\R-03A.DBF

CUSTOMER ID: BCS-885-882-20-25

metaTRACE LAB ID: AA21595

SAMPLE DATE: 11/05/88

MATRIX: SOIL

CATEGORY: MISC.

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PARAMETER	METHOD	DATE EXT	DATE_AMA	CONC.	UNITS	ERR	DL	DIL
Percent Moisture	ASTM	NA	12/20/88	6.45	PRCNT	-		1.000

ENGINEERING SCIENCE 135-07

C:\R-04A.DBF

CUSTOMER ID: 8C3-S86-SS1-30-35

metaTRACE LAB ID: AA21534

SAMPLE DATE: 11/04/88

MATRIX: SOIL

CATEGORY: SEMI-VOLATILES

METHOD: EPA 8270

UNITS: UG/KG

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05/15/89

PARAMETER	DATE_EXT	DATE_AMA	CONC.	ERR	DL	DIL
Phenol	11/09/88	11/30/88	3400.00	J	432.84	1.000
bis(2-Chloroethyl) ether	11/09/88	11/30/88	ND		432.84	1.000
2-Chlorophenol	11/09/88	11/30/88	ND		432.84	1.000
1,3-Dichlorobenzene	11/09/88	11/30/88	ND		432.84	1.000
1,4-Dichlorobenzene	11/09/88	11/30/88	ND		432.84	1.000
Benzyl Alcohol	11/09/88	11/30/88	ND		432.84	1.000
1,2-Dichlorobenzene	11/09/88	11/30/88	ND		432.84	1.000
2-Methylphenol	11/09/88	11/30/88	90.00	J	432.84	1.000
bis(2-Chloroisopropyl) ether	11/09/88	11/30/88	ND		432.84	1.000
4-Methylphenol	11/09/88	11/30/88	230.00	J	432.84	1.000
N-Nitroso-Dipropylamine	11/09/88	11/30/88	ND		432.84	1.000
Hexachloroethane	11/09/88	11/30/88	ND		432.84	1.000
Nitrobenzene	11/09/88	11/30/88	ND		432.84	1.000
Isophorone	11/09/88	11/30/88	ND		432.84	1.000
2-Nitrophenol	11/09/88	11/30/88	ND		2098.64	1.000
2,4-Dimethylphenol	11/09/88	11/30/88	ND		432.84	1.000
Benzoic Acid	11/09/88	11/30/88	ND		2098.64	1.000
bis(2-Chloroethoxy) methane	11/09/88	11/30/88	ND		432.84	1.000
2,4-Dichlorophenol	11/09/88	11/30/88	ND		432.84	1.000
1,2,4-Trichlorobenzene	11/09/88	11/30/88	ND		432.84	1.000
Naphthalene	11/09/88	11/30/88	340.00	J	432.84	1.000
4-Chloroaniline	11/09/88	11/30/88	ND		432.84	1.000
Hexachlorobutadiene	11/09/88	11/30/88	ND		432.84	1.000
4-Chloro-3-methylphenol	11/09/88	11/30/88	ND		432.84	1.000
2-Methylnaphthalene	11/09/88	11/30/88	7000.00	J	4328.44	10.000
Hexachlorocyclopentadiene	11/09/88	11/30/88	ND		432.84	1.000
2,4,6-Trichlorophenol	11/09/88	11/30/88	ND		432.84	1.000
2,4,5-Trichlorophenol	11/09/88	11/30/88	ND		2098.64	1.000
2-Chloronaphthalene	11/09/88	11/30/88	ND		432.84	1.000
2-Nitroaniline	11/09/88	11/30/88	ND		2098.64	1.000
Dimethyl Phthalate	11/09/88	11/30/88	ND		432.84	1.000
Acenaphthylene	11/09/88	11/30/88	ND		432.84	1.000
2,6-Dinitrotoluene	11/09/88	11/30/88	ND		432.84	1.000
3-Nitroaniline	11/09/88	11/30/88	ND		2098.64	1.000
Acenaphthene	11/09/88	11/30/88	ND		432.84	1.000
2,4-Dinitrophenol	11/09/88	11/30/88	ND		2098.64	1.000
4-Nitrophenol	11/09/88	11/30/88	ND		2098.64	1.000
Dibenzofuran	11/09/88	11/30/88	ND		432.84	1.000
2,4-Dinitrotoluene	11/09/88	11/30/88	ND		432.84	1.000
Diethylphthalate	11/09/88	11/30/88	ND		432.84	1.000
4-Chlorophenyl Phenyl Ether	11/09/88	11/30/88	ND		432.84	1.000
Fluorene	11/09/88	11/30/88	ND		432.84	1.000
4-Nitroaniline	11/09/88	11/30/88	ND		2098.64	1.000

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05/15/89

PARAMETER	DATE_EXT	DATE_AMA	CONC.	ERR	DL	DIL
4,6-Dinitro-2-methylphenol	11/09/88	11/30/88	ND		2098.64	1.000
N-nitrosodiphenylamine	11/09/88	11/30/88	ND		432.84	1.000
4-Bromophenyl Phenyl ether	11/09/88	11/30/88	ND		432.84	1.000
Hexachlorobenzene	11/09/88	11/30/88	ND		432.84	1.000
Pentachlorophenol	11/09/88	11/30/88	ND		2098.64	1.000
Phenanthrene	11/09/88	11/30/88	ND		432.84	1.000
Anthracene	11/09/88	11/30/88	ND		432.84	1.000
Di-n-butylphthalate	11/09/88	11/30/88	ND		432.84	1.000
Fluoranthene	11/09/88	11/30/88	ND		432.84	1.000
Pyrene	11/09/88	11/30/88	ND		432.84	1.000
Butyl Benzyl Phthalate	11/09/88	11/30/88	ND		432.84	1.000
3,3'-Dichlorobenzidine	11/09/88	11/30/88	ND		865.69	1.000
Benzo(a)anthracene	11/09/88	11/30/88	ND		432.84	1.000
Chrysene	11/09/88	11/30/88	ND		432.84	1.000
bis(2-ethylhexyl)phthalate	11/09/88	11/30/88	50.00		432.84	1.000
Di-n-octyl Phthalate	11/09/88	11/30/88	ND		432.84	1.000
Benzo(b)fluoranthene	11/09/88	11/30/88	ND		432.84	1.000
Benzo(k)fluoranthene	11/09/88	11/30/88	ND		432.84	1.000
Benzo(a)pyrene	11/09/88	11/30/88	ND		432.84	1.000
Indeno(1,2,3-cd)pyrene	11/09/88	11/30/88	ND		432.84	1.000
Dibenzo(a,h)anthracene	11/09/88	11/30/88	ND		432.84	1.000
Benzo(g,h,i)perylene	11/09/88	11/30/88	ND		432.84	1.000

ENGINEERING SCIENCE 135-07

C:\R-04A.DBF

CUSTOMER ID: BC3-SB6-SS1-30-35

metaTRACE LAB ID: AA21534

SAMPLE DATE: 11/04/88

MATRIX: SOIL

CATEGORY: VOLATILES

METHOD: EPA 8240

UNITS: UG/KG

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05/15/89

PARAMETER	DATE_EXT	DATE_AMA	CONC.	ERR	DL	DIL
Chloromethane	NA	11/11/88	ND		13.12	1.000
Bromomethane	NA	11/11/88	ND		13.12	1.000
Vinyl Chloride	NA	11/11/88	ND		13.12	1.000
Chloroethane	NA	11/11/88	ND		13.12	1.000
Methylene Chloride	NA	11/11/88	45.00	8	327.91	50.000
Acetone	NA	11/11/88	300.00		13.12	1.000
Carbon Disulfide	NA	11/11/88	ND		6.56	1.000
1,1-Dichloroethane	NA	11/11/88	ND		6.56	1.000
1,1-Dichloroethane	NA	11/11/88	ND		6.56	1.000
1,2-Dichloroethane (total)	NA	11/11/88	220.00		6.56	1.000
Chloroform	NA	11/11/88	ND		6.56	1.000
1,2-Dichloroethane	NA	11/11/88	ND		6.56	1.000
2-Butanone	NA	11/11/88	ND		13.12	1.000
1,1,1-Trichloroethane	NA	11/11/88	ND		6.56	1.000
Carbon Tetrachloride	NA	11/11/88	ND		6.56	1.000
Vinyl Acetate	NA	11/11/88	ND		13.12	1.000
Bromodichloromethane	NA	11/11/88	ND		6.56	1.000
1,1,2,2-Tetrachloroethane	NA	11/11/88	ND		6.56	1.000
1,2-Dichloropropane	NA	11/11/88	ND		6.56	1.000
cis-1,3-Dichloropropane	NA	11/11/88	ND		6.56	1.000
Trichloroethane	NA	11/11/88	ND		6.56	1.000
Dibromochloromethane	NA	11/11/88	ND		6.56	1.000
1,1,2-Trichloroethane	NA	11/11/88	ND		6.56	1.000
Benzene	NA	11/11/88	ND		6.56	1.000
trans-1,3-Dichloropropane	NA	11/11/88	ND		6.56	1.000
Bromoform	NA	11/11/88	ND		6.56	1.000
2-Hexanone	NA	11/11/88	ND		13.12	1.000
4-Methyl-2-pentanone	NA	11/11/88	ND		13.12	1.000
Tetrachloroethane	NA	11/11/88	ND		6.56	1.000
Toluene	NA	11/11/88	300000.00		327.91	50.000
Chlorobenzene	NA	11/11/88	ND		6.56	1.000
Ethyl Benzene	NA	11/11/88	ND		6.56	1.000
Styrene	NA	11/11/88	ND		6.56	1.000
Xylenes (Total)	NA	11/11/88	350000.00	8	327.91	50.000

ENGINEERING SCIENCE 135-07

C:R-04A.08F

CUSTOMER ID: BC3-SB6-S31-30-35

metaTRACE LAB ID: AA21534

SAMPLE DATE: 11/04/88

MATRIX: SOIL

CATEGORY: PP_METALS

METHOD: EPA 6010

UNITS: UG/G

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PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	DIL
Antimony	NA	12/27/88	ND		14.43	1.000
Arsenic	NA	12/21/88	8.92		0.79	1.000
Beryllium	NA	12/27/88	ND		1.31	1.000
Cadmium	NA	12/27/88	ND		1.31	1.000
Chromium	NA	12/27/88	9.40		2.62	1.000
Copper	NA	12/27/88	14.74		2.62	1.000
Lead	NA	12/21/88	6.65		0.79	1.000
Nickel	NA	12/27/88	11.06		0.79	1.000
Mercury	NA	11/19/88	ND		0.13	1.000
Selenium	NA	12/21/88	ND		0.52	1.000
Silver	NA	12/27/88	ND		1.84	1.000
Thallium	NA	12/21/88	ND		0.79	1.000
Zinc	NA	12/27/88	50.35		1.05	1.000

ENGINEERING SCIENCE 135-07

C:\R-04A.DBF

CUSTOMER ID: BC3-SB6-SS1-30-35

metaTRACE LAB ID: AA21534

SAMPLE DATE: 11/04/88

MATRIX: SOIL

CATEGORY: MISC.

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05/15/89

PARAMETER	METHOD	DATE EXT	DATE_AMA	CONC.	UNITS	ERR	DL	OIL
Percent Moisture	ASTM	NA	12/20/88	23.76	PRCNT	-		1.000

ENGINEERING SCIENCE 135-07

C:\R-05A.D8F

CUSTOMER ID: BC3-S87-SS1-0-5

netaTRACE LAB ID: AA21596

SAMPLE DATE: 11/05/88

MATRIX: SOIL

CATEGORY: SEMI-VOLATILES

METHOD: EPA 8270

UNITS: UG/KG

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05/15/89

PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	DIL
Phenol	11/10/88	12/02/88	ND		737.68	2.000
bis(2-Chloroethyl) ether	11/10/88	12/02/88	ND		737.68	2.000
2-Chlorophenol	11/10/88	12/02/88	ND		737.68	2.000
1,3-Dichlorobenzene	11/10/88	12/02/88	ND		737.68	2.000
1,4-Dichlorobenzene	11/10/88	12/02/88	ND		737.68	2.000
Benzyl Alcohol	11/10/88	12/02/88	ND		737.68	2.000
1,2-Dichlorobenzene	11/10/88	12/02/88	ND		737.68	2.000
2-Methylphenol	11/10/88	12/02/88	ND		737.68	2.000
bis(2-Chloroisopropyl) ether	11/10/88	12/02/88	ND		737.68	2.000
4-Methylphenol	11/10/88	12/02/88	ND		737.68	2.000
N-Nitroso-Dipropylamine	11/10/88	12/02/88	ND		737.68	2.000
Hexachloroethane	11/10/88	12/02/88	ND		737.68	2.000
Nitrobenzene	11/10/88	12/02/88	ND		737.68	2.000
Isophorone	11/10/88	12/02/88	ND		737.68	2.000
2-Nitrophenol	11/10/88	12/02/88	ND		3576.62	2.000
2,4-Dimethylphenol	11/10/88	12/02/88	ND		737.68	2.000
Benzoic Acid	11/10/88	12/02/88	ND		3576.62	2.000
bis(2-Chloroethoxy) methane	11/10/88	12/02/88	ND		737.68	2.000
2,4-Dichlorophenol	11/10/88	12/02/88	ND		737.68	2.000
1,2,4-Trichlorobenzene	11/10/88	12/02/88	ND		737.68	2.000
Naphthalene	11/10/88	12/02/88	ND		737.68	2.000
4-Chloroaniline	11/10/88	12/02/88	ND		737.68	2.000
Hexachlorobutadiene	11/10/88	12/02/88	ND		737.68	2.000
4-Chloro-3-methylphenol	11/10/88	12/02/88	ND		737.68	2.000
2-Methylnaphthalene	11/10/88	12/02/88	ND		737.68	2.000
Hexachlorocyclopentadiene	11/10/88	12/02/88	ND		737.68	2.000
2,4,6-Trichlorophenol	11/10/88	12/02/88	ND		737.68	2.000
2,4,5-Trichlorophenol	11/10/88	12/02/88	ND		3576.62	2.000
2-Chloronaphthalene	11/10/88	12/02/88	ND		737.68	2.000
2-Nitroaniline	11/10/88	12/02/88	ND		3576.62	2.000
Dimethyl Phthalate	11/10/88	12/02/88	ND		737.68	2.000
Acenaphthylene	11/10/88	12/02/88	ND		737.68	2.000
2,6-Dinitrotoluene	11/10/88	12/02/88	ND		737.68	2.000
3-Nitroaniline	11/10/88	12/02/88	ND		3576.62	2.000
Acenaphthene	11/10/88	12/02/88	500.00	J	737.68	2.000
2,4-Dinitrophenol	11/10/88	12/02/88	ND		737.68	2.000
4-Nitrophenol	11/10/88	12/02/88	ND		3576.62	2.000
Dibenzofuran	11/10/88	12/02/88	ND		737.68	2.000
2,4-Dinitrotoluene	11/10/88	12/02/88	ND		737.68	2.000
Diethylphthalate	11/10/88	12/02/88	ND		737.68	2.000
4-Chlorophenyl Phenyl Ether	11/10/88	12/02/88	ND		737.68	2.000
Fluorene	11/10/88	12/02/88	ND		737.68	2.000
4-Nitroaniline	11/10/88	12/02/88	ND		3576.62	2.000

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PARAMETER	DATE_EXT	DATE_AMA	CONC.	ERR	DL	DIL
4,6-Dinitro-2-methylphenol	11/10/88	12/02/88	ND		3576.62	2.000
N-nitrosodiphenylamine	11/10/88	12/02/88	12000.00	J	737.68	2.000
4-Bromophenyl Phenyl ether	11/10/88	12/02/88	ND		737.68	2.000
Hexachlorobenzene	11/10/88	12/02/88	ND		737.68	2.000
Pentachlorophenol	11/10/88	12/02/88	ND		3576.62	2.000
Phenanthrene	11/10/88	12/02/88	650.00	J	737.68	2.000
Anthracene	11/10/88	12/02/88	ND		737.68	2.000
Di-n-butylphthalate	11/10/88	12/02/88	ND		737.68	2.000
Fluoranthene	11/10/88	12/02/88	440.00	J	737.68	2.000
Pyrene	11/10/88	12/02/88	6400.00	J	737.68	2.000
Butyl Benzyl Phthalate	11/10/88	12/02/88	ND		737.68	2.000
3,3'-Dichlorobenzidine	11/10/88	12/02/88	ND		1475.35	2.000
Benzo(a)anthracene	11/10/88	12/02/88	ND		737.68	2.000
Chrysene	11/10/88	12/02/88	ND		737.68	2.000
bis(2-ethylhexyl)phthalate	11/10/88	12/02/88	4300.00	JN	737.68	2.000
Di-n-octyl Phthalate	11/10/88	12/02/88	ND		737.68	2.000
Benzo(b)fluoranthene	11/10/88	12/02/88	ND		737.68	2.000
Benzo(k)fluoranthene	11/10/88	12/02/88	ND		737.68	2.000
Benzo(a)pyrene	11/10/88	12/02/88	ND		737.68	2.000
Indeno(1,2,3-cd)pyrene	11/10/88	12/02/88	ND		737.68	2.000
Dibenzo(a,h)anthracene	11/10/88	12/02/88	ND		737.68	2.000
Benzo(g,h,i)perylene	11/10/88	12/02/88	ND		737.68	2.000

ENGINEERING SCIENCE 135-07

C:\R-05A.D8F

CUSTOMER ID: BC3-SB7-SS1-0-5

metaTRACE LAB ID: AA21596

SAMPLE DATE: 11/05/88

MATRIX: SOIL

CATEGORY: VOLATILES

METHOD: EPA 8240

UNITS: UG/KG

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05/15/89

PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	DIL
Chloromethane	NA	11/15/88	ND		11.18	1.000
Bromomethane	NA	11/15/88	ND		11.18	1.000
Vinyl Chloride	NA	11/15/88	ND		11.18	1.000
Chloroethane	NA	11/15/88	ND		11.18	1.000
Methylene Chloride	NA	11/15/88	ND		5.59	1.000
Acetone	NA	11/15/88	ND		11.18	1.000
Carbon Disulfide	NA	11/15/88	ND		5.59	1.000
1,1-Dichloroethane	NA	11/15/88	ND		5.59	1.000
1,1-Dichloroethane	NA	11/15/88	ND		5.59	1.000
1,2-Dichloroethane (total)	NA	11/15/88	ND		5.59	1.000
Chloroform	NA	11/15/88	ND		5.59	1.000
1,2-Dichloroethane	NA	11/15/88	ND		5.59	1.000
2-Butanone	NA	11/15/88	ND		11.18	1.000
1,1,1-Trichloroethane	NA	11/15/88	ND		5.59	1.000
Carbon Tetrachloride	NA	11/15/88	ND		5.59	1.000
Vinyl Acetate	NA	11/15/88	ND		11.18	1.000
Bromodichloromethane	NA	11/15/88	ND		5.59	1.000
1,1,2,2-Tetrachloroethane	NA	11/15/88	ND		5.59	1.000
1,2-Dichloropropane	NA	11/15/88	ND		5.59	1.000
cis-1,3-Dichloropropane	NA	11/15/88	ND		5.59	1.000
Trichloroethane	NA	11/15/88	ND		5.59	1.000
Dibromochloromethane	NA	11/15/88	ND		5.59	1.000
1,1,2-Trichloroethane	NA	11/15/88	ND		5.59	1.000
Benzene	NA	11/15/88	ND		5.59	1.000
trans-1,3-Dichloropropane	NA	11/15/88	ND		5.59	1.000
Bromoform	NA	11/15/88	ND		5.59	1.000
2-Hexanone	NA	11/15/88	ND		11.18	1.000
4-Methyl-2-pentanone	NA	11/15/88	ND		11.18	1.000
Tetrachloroethane	NA	11/15/88	ND		5.59	1.000
Toluene	NA	11/15/88	ND		5.59	1.000
Chlorobenzene	NA	11/15/88	ND		5.59	1.000
Ethyl Benzene	NA	11/15/88	ND		5.59	1.000
Styrene	NA	11/15/88	ND		5.59	1.000
Xylenes (Total)	NA	11/15/88	ND		5.59	1.000

netaTRACE, Inc.

13715 Rider Trail North

• Earth City, MO 63045 •

314) 298-8566

ENGINEERING SCIENCE 135-07

C:\R-05A.DBF

CUSTOMER ID: BCS-987-991-0-5

netaTRACE LAB ID: AA21596

SAMPLE DATE: 11/05/88

MATRIX: SOIL

CATEGORY: MISC.

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05/15/89

PARAMETER	METHOD	DATE EXT	DATE_AMA	CONC.	UNITS	ERR	DL	DIL
Percent Moisture	ASTM	NA	12/20/88	10.53	PERCENT	-		1.000

ENGINEERING SCIENCE 133-07

C:R-05A.008

CUSTOMER ID: BC3-SB7-SS1-0-5

metaTRACE LAB ID: AA21596

SAMPLE DATE: 11/05/88

MATRIX: SOIL

CATEGORY: PP_METALS

METHOD: EPA 6010

UNITS: UG/G

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05/15/89

PARAMETER	DATE_EXT	DATE_AMA	CONC.	ERR	DL	DIL
Antimony	NA	12/27/88	ND		12.29	1.000
Arsenic	NA	12/21/88	5.21		0.67	1.000
Beryllium	NA	12/27/88	ND		1.12	1.000
Cadmium	NA	12/27/88	4.27		1.12	1.000
Chromium	NA	12/27/88	48.75		2.24	1.000
Copper	NA	12/27/88	41.32		2.24	1.000
Lead	NA	12/27/88	694.66		0.67	1.000
Nickel	NA	12/27/88	7.29		0.67	1.000
Mercury	NA	11/19/88	ND		0.11	1.000
Selenium	NA	12/22/88	ND		0.45	1.000
Silver	NA	12/27/88	ND		1.56	1.000
Thallium	NA	12/21/88	ND		0.67	1.000
Zinc	NA	12/27/88	247.61		0.89	1.000

ENGINEERING SCIENCE 135-07

C:\R-01A.DBF

CUSTOMER ID: BC5-SB1-SS2-5-10

metaTRACE LAB ID: AA21368

SAMPLE DATE: 11/01/88

MATRIX: SOIL

CATEGORY: PAN

METHOD: EPA 8100

UNITS: UG/G

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PARAMETER	DATE_EXT	DATE_AMA	CONC.	ERR	DL	DIL
Naphthalene	11/08/88	11/16/88	ND		0.55	1.000
Acenaphthylene	11/08/88	11/16/88	ND		0.55	1.000
Acenaphthene	11/08/88	11/16/88	ND		0.55	1.000
Fluorene	11/08/88	11/16/88	ND		0.55	1.000
Phenanthrene	11/08/88	11/16/88	ND		0.55	1.000
Anthracene	11/08/88	11/16/88	ND		0.55	1.000
Fluoranthene	11/08/88	11/16/88	ND		0.55	1.000
Pyrene	11/08/88	11/16/88	ND		0.55	1.000
Benzo(a)anthracene	11/08/88	11/16/88	ND		0.55	1.000
Chrysene	11/08/88	11/16/88	ND		0.55	1.000
Benzo(b)fluoranthene	11/08/88	11/16/88	ND		0.55	1.000
Benzo(k)fluoranthene	11/08/88	11/16/88	ND		0.55	1.000
Benzo(a)pyrene	11/08/88	11/16/88	ND		0.55	1.000
Indeno(1,2,3-cd)pyrene	11/08/88	11/16/88	ND		0.55	1.000
Dibenz(a,h)anthracene	11/08/88	11/16/88	ND		0.55	1.000
Benzo(g,h,i)perylene	11/08/88	11/16/88	ND		0.55	1.000

ENGINEERING SCIENCE 135-07

C:\R-01A.DBF

CUSTOMER ID: BC5-S81-S81-0-2

metaTRACE LAB ID: AA21367

SAMPLE DATE: 11/01/88

MATRIX: SOIL

CATEGORY: PAN

METHOD: EPA 8100

UNITS: UG/G

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05/15/89

PARAMETER	DATE_EXT	DATE_AMA	CONC.	ERR	DL	DIL
Naphthalene	11/08/88	11/16/88	ND		0.52	1.000
Acenaphthylene	11/08/88	11/16/88	ND		0.52	1.000
Acenaphthene	11/08/88	11/16/88	ND		0.52	1.000
Fluorene	11/08/88	11/16/88	ND		0.52	1.000
Phenanthrene	11/08/88	11/16/88	ND		0.52	1.000
Anthracene	11/08/88	11/16/88	ND		0.52	1.000
Fluoranthene	11/08/88	11/16/88	ND		0.52	1.000
Pyrene	11/08/88	11/16/88	ND		0.52	1.000
Benzo(a)anthracene	11/08/88	11/16/88	ND		0.52	1.000
Chrysene	11/08/88	11/16/88	ND		0.52	1.000
Benzo(b)fluoranthene	11/08/88	11/16/88	ND		0.52	1.000
Benzo(k)fluoranthene	11/08/88	11/16/88	ND		0.52	1.000
Benzo(a)pyrene	11/08/88	11/16/88	ND		0.52	1.000
Indeno(1,2,3-cd)pyrene	11/08/88	11/16/88	ND		0.52	1.000
Dibenz(a,h)anthracene	11/08/88	11/16/88	ND		0.52	1.000
Benzo(g,h,i)perylene	11/08/88	11/16/88	ND		0.52	1.000

ENGINEERING SCIENCE 135-07

C:\R-01.DBF

CUSTOMER ID: BCS-SB1-SB2-5-10

metaTRACE LAB ID: AA21352

SAMPLE DATE: 11/01/88

MATRIX: SOIL

CATEGORY: PP_METALS

METHOD: EPA 6010

UNITS: UG/G

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05/15/89

PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	DIL
Antimony	NA	12/05/88	ND		11.95	1.000
Arsenic	NA	12/21/88	6.29		0.65	1.000
Beryllium	NA	12/05/88	ND		1.09	1.000
Cadmium	NA	12/05/88	ND		1.09	1.000
Chromium	NA	12/05/88	17.41		2.17	1.000
Copper	NA	12/05/88	6.07		2.17	1.000
Lead	NA	12/05/88	5.92		0.65	1.000
Mercury	NA	11/19/88	ND		0.11	1.000
Nickel	NA	12/05/88	11.01		5.65	1.000
Selenium	NA	12/02/88	ND		0.43	1.000
Silver	NA	12/05/88	ND		1.52	1.000
Thallium	NA	12/02/88	ND		0.65	1.000
Zinc	NA	12/05/88	38.46		0.87	1.000

ENGINEERING SCIENCE 135-07

C:\R-01.DBF

CUSTOMER ID: BCS-SB1-SS1-0-2

metaTRACE LAB ID: AA21351

SAMPLE DATE: 11/01/88

MATRIX: SOIL

CATEGORY: PP_METALS

METHOD: EPA 6010

UNITS: UG/G

Page No. 1
05/15/89

PARAMETER	DATE_EXT	DATE_AMA	CONC.	ERR	DL	DIL
Antimony	NA	12/05/88	ND		11.41	1.000
Arsenic	NA	12/21/88	30.90		0.62	1.000
Beryllium	NA	12/05/88	ND		1.04	1.000
Cadmium	NA	12/05/88	ND		1.04	1.000
Chromium	NA	12/05/88	10.86		2.07	1.000
Copper	NA	12/05/88	5.88		2.07	1.000
Lead	NA	12/05/88	7.17		0.62	1.000
Mercury	NA	11/19/88	ND		0.10	1.000
Nickel	NA	12/05/88	8.92		5.39	1.000
Selenium	NA	12/02/88	ND		0.41	1.000
Silver	NA	12/05/88	ND		1.45	1.000
Thallium	NA	12/02/88	ND		0.62	1.000
Zinc	NA	12/05/88	24.88		0.63	1.000

ENGINEERING SCIENCE 135-07

C:\R-01A.DBF

CUSTOMER ID: BC5-SB1-SS1-0-2

metaTRACE LAB ID: AA21367

SAMPLE DATE: 11/01/88

MATRIX: SOIL

CATEGORY: MISC.

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PARAMETER	METHOD	DATE EXT	DATE_AMA	CONC.	UNITS	ERR	DL	DIL
Percent Moisture	ASTM	NA	12/16/88	3.11	PRCNT	-		1.000

ENGINEERING SCIENCE 135-07

C:R-01.DBF

CUSTOMER ID: BCS-SB1-SB1-0-2

metaTRACE LAB ID: AA21351

SAMPLE DATE: 11/01/88

MATRIX: SOIL

CATEGORY: MISC.

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05/15/89

PARAMETER	METHOD	DATE EXT	DATE_AMA	CONC.	UNITS	ERR	DL	DIL
Percent Moisture	ASTM	NA	12/16/88	3.56	PRCNT	-		1.000

ENGINEERING SCIENCE 135-07

C:\R-01A.DBF

CUSTOMER ID: 8C5-S81-SS2-S-10

metaTRACE LAB ID: AA21368

SAMPLE DATE: 11/01/88

MATRIX: SOIL

CATEGORY: MISC.

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PARAMETER	METHOD	DATE EXT	DATE_AMA	CONC.	UNITS	ERR	DL	DIL
Percent Moisture	ASTM	NA	12/16/88	9.03	PRCNT	-		1.000

ENGINEERING SCIENCE 135-07

C:R-01.067

CUSTOMER ID: BCS-SB1-SS2-5-10

metaTRACE LAB ID: AA21352

SAMPLE DATE: 11/01/88

MATRIX: SOIL

CATEGORY: MISC.

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05/15/89

PARAMETER	METHOD	DATE EXT	DATE_ANA	CONC.	UNITS	ERR	DL	DIL
Percent Moisture	ASTM	NA	12/16/88	7.93	PRCNT	-	-	1.000

ENGINEERING SCIENCE 135-07

C:\R-01A.DBF

CUSTOMER ID: BC5-S82-SS2-5-10

metaTRACE LAB ID: AA21364

SAMPLE DATE: 11/01/88

MATRIX: SOIL

CATEGORY: PAH

METHOD: EPA 8100

UNITS: UG/G

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05/15/89

PARAMETER	DATE_EXT	DATE_AMA	CONC.	ERR	DL	DIL
Naphthalene	11/08/88	11/16/88	ND		0.53	1.000
Acenaphthylene	11/08/88	11/16/88	ND		0.53	1.000
Acenaphthene	11/08/88	11/16/88	ND		0.53	1.000
Fluorene	11/08/88	11/16/88	ND		0.53	1.000
Phenanthrene	11/08/88	11/16/88	ND		0.53	1.000
Anthracene	11/08/88	11/16/88	ND		0.53	1.000
Fluoranthene	11/08/88	11/16/88	ND		0.53	1.000
Pyrene	11/08/88	11/16/88	ND		0.53	1.000
Benzo(a)anthracene	11/08/88	11/16/88	ND		0.53	1.000
Chrysene	11/08/88	11/16/88	ND		0.53	1.000
Benzo(b)fluoranthene	11/08/88	11/16/88	NL		0.53	1.000
Benzo(k)fluoranthene	11/08/88	11/16/88	ND		0.53	1.000
Benzo(a)pyrene	11/08/88	11/16/88	ND		0.53	1.000
Indeno(1,2,3-cd)pyrene	11/08/88	11/16/88	ND		0.53	1.000
Dibenz(a,h)anthracene	11/08/88	11/16/88	ND		0.53	1.000
Benzo(g,h,i)perylene	11/08/88	11/16/88	ND		0.53	1.000

ENGINEERING SCIENCE 135-07

C:\R-01A.DBF

CUSTOMER ID: BCS-SB2-SS1-0-2

metaTRACE LAB ID: AA21363

SAMPLE DATE: 11/01/88

MATRIX: SOIL

CATEGORY: PAH

METHOD: EPA 8100

UNITS: UG/G

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05/15/89

PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	DIL
Naphthalene	11/08/88	11/16/88	ND		0.55	1.000
Acenaphthylene	11/08/88	11/16/88	ND		0.55	1.000
Acenaphthene	11/08/88	11/16/88	ND		0.55	1.000
Fluorene	11/08/88	11/16/88	ND		0.55	1.000
Phenanthrene	11/08/88	11/16/88	ND		0.55	1.000
Anthracene	11/08/88	11/16/88	ND		0.55	1.000
Fluoranthene	11/08/88	11/16/88	ND		0.55	1.000
Pyrene	11/08/88	11/16/88	ND		0.55	1.000
Benzo(a)anthracene	11/08/88	11/16/88	ND		0.55	1.000
Chrysene	11/08/88	11/16/88	ND		0.55	1.000
Benzo(b)fluoranthene	11/08/88	11/16/88	ND		0.55	1.000
Benzo(k)fluoranthene	11/08/88	11/16/88	ND		0.55	1.000
Benzo(a)pyrene	11/08/88	11/16/88	ND		0.55	1.000
Indeno(1,2,3-cd)pyrene	11/08/88	11/16/88	ND		0.55	1.000
Dibenz(i,h)anthracene	11/08/88	11/16/88	ND		0.55	1.000
Benzo(g,h,i)perylene	11/08/88	11/16/88	ND		0.55	1.000

ENGINEERING SCIENCE 135-07

V:MARC2.DBF

CUSTOMER ID: BCS-982-SS1-0-2

metaTRACE LAB ID: AA21347

SAMPLE DATE: 11/01/88

MATRIX: SOIL

CATEGORY: PP_METALS

METHOD: EPA 6010

UNITS: UG/G

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08/03/89

PARAMETER	DATE_EXT	DATE_AMA	CONC.	ERR	DL	DIL
Antimony	NA	12/05/88	ND		11.92	1.000
Arsenic	NA	12/21/88	9.84		0.65	1.000
Beryllium	NA	12/05/88	ND		1.08	1.000
Cadmium	NA	12/05/88	ND		1.08	1.000
Chromium	NA	12/05/88	14.38		2.17	1.000
Copper	NA	12/05/88	8.48		2.17	1.000
Lead	NA	12/01/88	28.55		0.65	1.000
Mercury	NA	11/19/88	0.30		0.11	1.000
Nickel	NA	12/05/88	9.09		5.64	1.000
Selenium	NA	12/02/88	ND		0.43	1.000
Silver	NA	12/05/88	ND		1.52	1.000
Thallium	NA	12/02/88	ND		0.65	1.000
Zinc	NA	12/05/88	33.95		0.87	1.000

ENGINEERING SCIENCE 135-07

C:\R-01.DBF

CUSTOMER ID: BCS-SB2-SS2,5-10

metaTRACE LAB ID: AA21348

SAMPLE DATE: 11/01/88

MATRIX: SOIL

CATEGORY: PP_METALS

METHOD: EPA 6010

UNITS: UG/G

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05/15/89

PARAMETER	DATE_EXT	DATE_AMA	CONC.	ERR	DL	DIL
Antimony	NA	12/05/88	ND		11.78	1.000
Arsenic	NA	12/21/88	7.76		0.64	1.000
Beryllium	NA	12/05/88	ND		1.07	1.000
Cadmium	NA	12/05/88	ND		1.07	1.000
Chromium	NA	12/05/88	16.38		2.14	1.000
Copper	NA	12/05/88	5.99		2.14	1.000
Lead	NA	12/05/88	5.63		0.64	1.000
Mercury	NA	11/19/88	0.50		0.11	1.000
Nickel	NA	12/05/88	8.50		5.57	1.000
Selenium	NA	12/02/88	ND		0.43	1.000
Silver	NA	12/05/88	ND		1.50	1.000
Thallium	NA	12/02/88	ND		0.64	1.000
Zinc	NA	12/05/88	26.38		0.86	1.000

ENGINEERING SCIENCE 135-07

C:\R-01A.DBF

CUSTOMER ID: BCS-S82-SS1-0-2

metaTRACE LAB ID: AA21343

SAMPLE DATE: 11/01/88

MATRIX: SOIL

CATEGORY: MISC.

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05/15/89

PARAMETER	METHOD	DATE EXT	DATE_AMA	CONC.	UNITS	ERR	DL	DIL
Percent Moisture	ASTM	NA	12/16/88	8.41	PERCENT	-		1.000

ENGINEERING SCIENCE 135-07

C:\R-01.DBF

CUSTOMER ID: SCS-S82-SS1-0-2

netaTRACE LAB ID: AA21347

SAMPLE DATE: 11/01/88

MATRIX: SOIL

CATEGORY: MISC.

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PARAMETER	METHOD	DATE EXT	DATE_ANA	CONC.	UNITS	ERR	DL	DIL
Percent Moisture	ASTM	NA	12/16/88	7.74	PRCNT	-	-	1.000

ENGINEERING SCIENCE 135-07

C:R-01A.D0F

CUSTOMER ID: 8C5-S82-SS2-5-10

metaTRACE LAB ID: AA21364

SAMPLE DATE: 11/01/88

MATRIX: SOIL

CATEGORY: MISC.

Page No. 1
05/15/89

PARAMETER	METHOD	DATE EXT	DATE_ANA	CONC.	UNITS	ERR	DL	DIL
Percent Moisture	ASTM	NA	12/16/88	6.20	PRCNT	-	-	1.000

ENGINEERING SCIENCE 133-07

C:\R-01.DBF

CUSTOMER ID: BCS-SB2-SS2,5-10

netaTRACE LAB ID: AA21348

SAMPLE DATE: 11/01/88

MATRIX: SOIL

CATEGORY: MISC.

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05/15/89

PARAMETER	METHOD	DATE EXT	DATE_AMA	CONC.	UNITS	ERR	DL	DIL
Percent Moisture	ASTM	NA	12/16/88	6.62	PRCNT	-		1.000

ENGINEERING SCIENCE 135-07

C:\R-01A.DBF

CUSTOMER ID: BC5-S83-SS2-5-10

metaTRACE LAB ID: AA21361

SAMPLE DATE: 11/01/88

MATRIX: SOIL

CATEGORY: PAN

METHOD: EPA 8100

UNITS: UG/G

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PARAMETER	DATE_EXT	DATE_AMA	CONC.	ERR	DL	DIL
Naphthalene	11/07/88	11/16/88	ND		0.57	1.000
Acenaphthylene	11/07/88	11/16/88	ND		0.57	1.000
Acenaphthene	11/07/88	11/16/88	ND		0.57	1.000
Fluorene	11/07/88	11/16/88	ND		0.57	1.000
Phenanthrene	11/07/88	11/16/88	ND		0.57	1.000
Anthracene	11/07/88	11/16/88	ND		0.57	1.000
Fluoranthene	11/07/88	11/16/88	ND		0.57	1.000
Pyrene	11/07/88	11/16/88	ND		0.57	1.000
Benzo(a)anthracene	11/07/88	11/16/88	ND		0.57	1.000
Chrysene	11/07/88	11/16/88	ND		0.57	1.000
Benzo(b)fluoranthene	11/07/88	11/16/88	ND		0.57	1.000
Benzo(k)fluoranthene	11/07/88	11/16/88	ND		0.57	1.000
Benzo(a)pyrene	11/07/88	11/16/88	ND		0.57	1.000
Indeno(1,2,3-cd)pyrene	11/07/88	11/16/88	ND		0.57	1.000
Dibenz(a,h)anthracene	11/07/88	11/16/88	ND		0.57	1.000
Benzo(g,h,i)perylene	11/07/88	11/16/88	ND		0.57	1.000

ENGINEERING SCIENCE 135-07

C:\R-01A.DBF

CUSTOMER ID: BCS-SB3-SS1-0-2

metaTRACE LAB ID: AA21360

SAMPLE DATE: 11/01/88

MATRIX: SOIL

CATEGORY: PAN

METHOD: EPA 8100

UNITS: UG/G

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PARAMETER	DATE_EXT	DATE_AMA	CONC.	ERR	DL	DIL
Naphthalene	11/07/88	11/16/88	ND		54.45	100.000
Acenaphthylene	11/07/88	11/16/88	ND		54.45	100.000
Acenaphthene	11/07/88	11/16/88	ND		54.45	100.000
Fluorene	11/07/88	11/16/88	ND		54.45	100.000
Phenanthrene	11/07/88	11/16/88	ND		54.45	100.000
Anthracene	11/07/88	11/16/88	ND		54.45	100.000
Fluoranthene	11/07/88	11/16/88	ND		54.45	100.000
Pyrene	11/07/88	11/16/88	ND		54.45	100.000
Benzo(a)anthracene	11/07/88	11/16/88	ND		54.45	100.000
Chrysene	11/07/88	11/16/88	ND		54.45	100.000
Benzo(b)fluoranthene	11/07/88	11/16/88	ND		54.45	100.000
Benzo(k)fluoranthene	11/07/88	11/16/88	ND		54.45	100.000
Benzo(a)pyrene	11/07/88	11/16/88	ND		54.45	100.000
Indeno(1,2,3-cd)pyrene	11/07/88	11/16/88	ND		54.45	100.000
Dibenz(a,h)anthracene	11/07/88	11/16/88	ND		54.45	100.000
Benzo(g,h,i)perylene	11/07/88	11/16/88	ND		54.45	100.000

ENGINEERING SCIENCE 135-07

C:\R-01A.DBF

CUSTOMER ID: 8C5-S83-SS2-5-10

metaTRACE LAB ID: AA21361

SAMPLE DATE: 11/01/88

MATRIX: SOIL

CATEGORY: PP_METALS

METHOD: EPA 6010

UNITS: UG/G

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PARAMETER	DATE_EXT	DATE_AMA	CONC.	ERR	DL	DIL
Antimony	NA	12/05/88	ND		12.46	1.000
Arsenic	NA	12/21/88	13.03		0.68	1.000
Beryllium	NA	12/05/88	ND		1.13	1.000
Cadmium	NA	12/05/88	ND		1.13	1.000
Chromium	NA	12/05/88	14.98		2.27	1.000
Copper	NA	12/05/88	9.63		2.27	1.008
Lead	NA	12/05/88	7.17		0.68	1.000
Mercury	NA	11/23/88	ND		0.11	1.000
Nickel	NA	12/05/88	11.93		5.89	1.000
Selenium	NA	12/02/88	ND		0.45	1.000
Silver	NA	12/05/88	ND		1.59	1.000
Thallium	NA	12/02/88	ND		0.68	1.000
Zinc	NA	12/05/88	30.47		0.91	1.000

ENGINEERING SCIENCE 135-07

C:\R-01A.DBF

CUSTOMER ID: BCS-SB3-SS1-0-2

metaTRACE LAB ID: AA21360

SAMPLE DATE: 11/01/88

MATRIX: SOIL

CATEGORY: PP_METALS

METHOD: EPA 6010

UNITS: UG/G

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PARAMETER	DATE_EXT	DATE_AMA	CONC.	ERR	DL	DIL
Antimony	NA	12/05/88	ND		11.98	1.000
Arsenic	NA	12/21/88	1.34		0.65	1.000
Beryllium	NA	12/05/88	ND		1.09	1.000
Cadmium	NA	12/05/88	ND		1.09	1.000
Chromium	NA	12/05/88	10.36		2.18	1.000
Copper	NA	12/05/88	9.89		2.18	1.000
Lead	NA	12/05/88	8.56		0.65	1.000
Mercury	NA	11/23/88	0.13		0.11	1.000
Nickel	NA	12/05/88	10.78		5.66	1.000
Selenium	NA	12/02/88	ND		0.44	1.000
Silver	NA	12/05/88	ND		1.52	1.000
Thallium	NA	12/02/88	ND		0.65	1.000
Zinc	NA	12/05/88	34.22		0.87	1.000

metaTRACE, Inc.

13715 Rider Trail North

• Earth City, MO 63045

• (314) 298-8566

ENGINEERING SCIENCE 135-07

C:\R-01A.DBF

CUSTOMER ID: BCS-SB3-SS2-5-10

metaTRACE LAB ID: AA21361

SAMPLE DATE: 11/01/88

MATRIX: SOIL

CATEGORY: MISC.

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05/15/89

PARAMETER	METHOD	DATE EXT	DATE_AMA	CONC.	UNITS	ERR	DL	DIL
Percent Moisture	ASTM	NA	12/16/88	11.73	PRCNT	-		1.000

ENGINEERING SCIENCE 133-07

C:\R-01A.DBF

CUSTOMER ID: BCS-SB3-SS1-0-2

netaTRACE LAB ID: AA21360

SAMPLE DATE: 11/01/88

MATRIX: SOIL

CATEGORY: MISC.

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05/15/89

PARAMETER	METHOD	DATE EXT	DATE_AMA	CONC.	UNITS	ERR	DL	DL
Percent Moisture	ASTM	NA	12/16/88	8.17	PRCNT	-	-	1.000

ENGINEERING SCIENCE 135-07

C:\R-01A.DBF

CUSTOMER ID: BCS-SB4-SS2-10-15

metaTRACE LAB ID: AA21366

SAMPLE DATE: 11/01/88

MATRIX: SOIL

CATEGORY: PAN

METHOD: EPA 8100

UNITS: UG/G

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05/15/89

PARAMETER	DATE_EXT	DATE_AMA	CONC.	ERR	DL	DIL
Naphthalene	11/08/88	11/16/88	ND		0.52	1.000
Acenaphthylene	11/08/88	11/16/88	ND		0.52	1.000
Acenaphthene	11/08/88	11/16/88	ND		0.52	1.000
Fluorene	11/08/88	11/16/88	ND		0.52	1.000
Phenanthrene	11/08/88	11/16/88	ND		0.52	1.000
Anthracene	11/08/88	11/16/88	ND		0.52	1.000
Fluoranthene	11/08/88	11/16/88	ND		0.52	1.000
Pyrene	11/08/88	11/16/88	ND		0.52	1.000
Benzo(a)anthracene	11/08/88	11/16/88	ND		0.52	1.000
Chrysene	11/08/88	11/16/88	ND		0.52	1.000
Benzo(b)fluoranthene	11/08/88	11/16/88	ND		0.52	1.000
Benzo(k)fluoranthene	11/08/88	11/16/88	ND		0.52	1.000
Benzo(a)pyrene	11/08/88	11/16/88	ND		0.52	1.000
Indeno(1,2,3-cd)pyrene	11/08/88	11/16/88	ND		0.52	1.000
Dibenz(a,h)anthracene	11/08/88	11/16/88	ND		0.52	1.000
Benzo(g,h,i)perylene	11/08/88	11/16/88	ND		0.52	1.000

ENGINEERING SCIENCE 135-07

C:\R-01A.DBF

CUSTOMER ID: BCS-SB4-SS1-0-2

metaTRACE LAB ID: AA21345

SAMPLE DATE: 11/01/88

MATRIX: SOIL

CATEGORY: PAN

METHOD: EPA 8100

UNITS: UG/G

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05/15/89

PARAMETER	DATE_EXT	DATE_AMA	CONC.	ERR	DL	DIL
Naphthalene	11/08/88	11/16/88	ND		0.54	1.000
Acenaphthylene	11/08/88	11/16/88	ND		0.54	1.000
Acenaphthene	11/08/88	11/16/88	ND		0.54	1.000
Fluorene	11/08/88	11/16/88	ND		0.54	1.000
Phenanthrene	11/08/88	11/16/88	ND		0.54	1.000
Anthracene	11/08/88	11/16/88	ND		0.54	1.000
Fluoranthene	11/08/88	11/16/88	ND		0.54	1.000
Pyrene	11/08/88	11/16/88	ND		0.54	1.000
Benzo(a)anthracene	11/08/88	11/16/88	ND		0.54	1.000
Chrysene	11/08/88	11/16/88	ND		0.54	1.000
Benzo(b)fluoranthene	11/08/88	11/16/88	ND		0.54	1.000
Benzo(k)fluoranthene	11/08/88	11/16/88	ND		0.54	1.000
Benzo(a)pyrene	11/08/88	11/16/88	ND		0.54	1.000
Indeno(1,2,3-cd)pyrene	11/08/88	11/16/88	ND		0.54	1.000
Dibenz(a,h)anthracene	11/08/88	11/16/88	ND		0.54	1.000
Benzo(g,h,i)perylene	11/08/88	11/16/88	ND		0.54	1.000

ENGINEERING SCIENCE 135-07

C:\R-01.DBF

CUSTOMER ID: BCS-S84-SS2-10-15

metaTRACE LAB ID: AA21350

SAMPLE DATE: 11/01/88

MATRIX: SOIL

CATEGORY: PP_METALS

METHOD: EPA 6010

UNITS: UG/G

Page No. 1

05/15/89

PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	DIL
Antimony	NA	12/05/88	ND		11.41	1.000
Arsenic	NA	12/05/88	2.43		0.62	1.000
Beryllium	NA	12/05/88	ND		1.04	1.000
Cadmium	NA	12/05/88	ND		1.04	1.000
Chromium	NA	12/05/88	6.31		2.07	1.000
Copper	NA	12/05/88	5.16		2.07	1.000
Lead	NA	12/05/88	3.51		0.62	1.000
Mercury	NA	11/19/88	ND		0.10	1.000
Nickel	NA	12/05/88	20.35		5.39	1.000
Selenium	NA	12/02/88	ND		0.41	1.000
Silver	NA	12/05/88	ND		1.45	1.000
Thallium	NA	12/02/88	ND		0.62	1.000
Zinc	NA	12/05/88	17.98		0.83	1.000

ENGINEERING SCIENCE 135-07

C:\R-01.DBF

CUSTOMER ID: SC5-SB4-SS1-0-2

metaTRACE LAB ID: AA21349

SAMPLE DATE: 11/01/88

MATRIX: SOIL

CATEGORY: PP_METALS

METHOD: EPA 6010

UNITS: UG/G

Page No. 1

05/15/89

PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	DIL
Antimony	NA	12/05/88	ND		12.01	1.000
Arsenic	NA	12/21/88	48.47		0.66	1.000
Beryllium	NA	12/05/88	ND		1.09	1.000
Cadmium	NA	12/05/88	ND		1.09	1.000
Chromium	NA	12/05/88	13.64		2.18	1.000
Copper	NA	12/05/88	12.55		2.18	1.000
Lead	NA	12/21/88	28.88		0.66	1.000
Mercury	NA	11/19/88	0.47		0.11	1.000
Nickel	NA	12/05/88	16.36		5.68	1.000
Selenium	NA	12/02/88	ND		0.44	1.000
Silver	NA	12/05/88	ND		1.53	1.000
Thallium	NA	12/02/88	ND		0.66	1.000
Zinc	NA	12/05/88	67.55		0.87	1.000

ENGINEERING SCIENCE 135-07

C:\R-01A.DBF

CUSTOMER ID: SC5-SB4-SS1-0-2

netaTRACE LAB ID: AA21365

SAMPLE DATE: 11/01/88

MATRIX: SOIL

CATEGORY: MISC.

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05/15/89

PARAMETER	METHOD	DATE EXT	DATE_AMA	CONC.	UNITS	ERR	DL	DIL
Percent Moisture	ASTM	NA	12/16/88	7.61	PERCENT	-		1.000

ENGINEERING SCIENCE 135-07

C:\R-01.DBF

CUSTOMER ID: SC5-SB4-SS1-0-2

metaTRACE LAB ID: AA21349

SAMPLE DATE: 11/01/88

MATRIX: SOIL

CATEGORY: MISC.

Page No. 1
05/15/89

PARAMETER	METHOD	DATE EXT	DATE_AMA	CONC.	UNITS	ERR	DL	DIL
Percent Moisture	ASTM	NA	12/16/88	8.60	PRCNT	-		1.000

ENGINEERING SCIENCE 135-07

C:\R-01A.DBF

CUSTOMER ID: BCS-SB4-SS2-10-15

metaTRACE LAB ID: AA21366

SAMPLE DATE: 11/01/88

MATRIX: SOIL

CATEGORY: MISC.

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PARAMETER	METHOD	DATE EXT	DATE_AMA	CONC.	UNITS	ERR	DL	DIL
Percent Moisture	ASTM	NA	12/16/88	3.57	PRCNT	-		1.000

ENGINEERING SCIENCE 135-07

C:R-01.087

CUSTOMER ID: BCS-SB4-SB2-10-15

netaTRACE LAB ID: AA21350

SAMPLE DATE: 11/01/88

MATRIX: SOIL

CATEGORY: MISC.

Page No. 1
05/15/89

PARAMETER	METHOD	DATE EXT	DATE_ANA	CONC.	UNITS	ERR	DL	DIL
Percent Moisture	ASTM	NA	12/16/88	3.61	PRCNT	-		1.000

ENGINEERING SCIENCE 135-07

C:\R-018.DBF

CUSTOMER ID: 8C5-S85-SS2-10-12.5

metaTRACE LAB ID: AA21370

SAMPLE DATE: 11/01/88

MATRIX: SOIL

CATEGORY: PAH

METHOD: EPA 8100

UNITS: UG/G

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05/15/89

PARAMETER	DATE_EXT	DATE_AMA	CONC.	ERR	DL	DIL
Naphthalene	11/08/88	11/16/88	ND		0.55	1.000
Acenaphthylene	11/08/88	11/16/88	ND		0.55	1.000
Acenaphthene	11/08/88	11/16/88	ND		0.55	1.000
Fluorene	11/08/88	11/16/88	ND		0.55	1.000
Phenanthrene	11/08/88	11/16/88	ND		0.55	1.000
Anthracene	11/08/88	11/16/88	ND		0.55	1.000
Fluoranthene	11/08/88	11/16/88	ND		0.55	1.000
Pyrene	11/08/88	11/16/88	ND		0.55	1.000
Benzo(a)anthracene	11/08/88	11/16/88	ND		0.55	1.000
Chrysene	11/08/88	11/16/88	ND		0.55	1.000
Benzo(b)fluoranthene	11/08/88	11/16/88	ND		0.55	1.000
Benzo(k)fluoranthene	11/08/88	11/16/88	ND		0.55	1.000
Benzo(a)pyrene	11/08/88	11/16/88	ND		0.55	1.000
Indeno(1,2,3-cd)pyrene	11/08/88	11/16/88	ND		0.55	1.000
Dibenz(a,h)anthracene	11/08/88	11/16/88	ND		0.55	1.000
Benzo(g,h,i)perylene	11/08/88	11/16/88	ND		0.55	1.000

ENGINEERING SCIENCE 135-07

C:\R-01A.DBF

CUSTOMER ID: BCS-S85-SS1-0-2

metaTRACE LAB ID: AA21369

SAMPLE DATE: 11/01/88

MATRIX: SOIL

CATEGORY: PAN

METHOD: EPA 8100

UNITS: UG/G

Page No. 1
05/15/89

PARAMETER	DATE_EXT	DATE_AMA	CONC.	ERR	DL	DIL
Naphthalene	11/08/88	11/16/88	ND		0.54	1.000
Acenaphthylene	11/08/88	11/16/88	ND		0.54	1.000
Acenaphthene	11/08/88	11/16/88	ND		0.54	1.000
Fluorene	11/08/88	11/16/88	ND		0.54	1.000
Phenanthrene	11/08/88	11/16/88	ND		0.54	1.000
Anthracene	11/08/88	11/16/88	ND		0.54	1.000
Fluoranthene	11/08/88	11/16/88	ND		0.54	1.000
Pyrene	11/08/88	11/16/88	ND		0.54	1.000
Benzo(a)anthracene	11/08/88	11/16/88	ND		0.54	1.000
Chrysene	11/08/88	11/16/88	ND		0.54	1.000
Benzo(b)fluoranthene	11/08/88	11/16/88	ND		0.54	1.000
Benzo(k)fluoranthene	11/08/88	11/16/88	ND		0.54	1.000
Benzo(a)pyrene	11/08/88	11/16/88	ND		0.54	1.000
Indeno(1,2,3-cd)pyrene	11/08/88	11/16/88	ND		0.54	1.000
Dibenz(a,h)anthracene	11/08/88	11/16/88	ND		0.54	1.000
Benzo(g,h,i)perylene	11/08/88	11/16/88	ND		0.54	1.000

ENGINEERING SCIENCE 133-07

V:\ARC2.DBF

CUSTOMER ID: 8C5-S85-S82-10-12.5

metaTRACE LAB ID: AA21354

SAMPLE DATE: 11/01/88

MATRIX: SOIL

CATEGORY: PP_METALS

METHOD: EPA 6010

UNITS: UG/G

Page No. 1
08/03/89

PARAMETER	DATE_EXT	DATE_AMA	CONC.	ERR	DL	DIL
Antimony	NA	12/05/88	ND		12.15	1.000
Arsenic	NA	12/21/88	29.26		0.66	1.000
Beryllium	NA	12/05/88	ND		1.10	1.000
Cadmium	NA	12/05/88	ND		1.10	1.000
Chromium	NA	12/05/88	0.35		2.21	1.000
Copper	NA	12/05/88	5.15		2.21	1.000
Lead	NA	12/05/88	5.34		0.66	1.000
Mercury	NA	11/19/88	ND		0.11	1.000
Nickel	NA	12/05/88	7.91		5.74	1.000
Selenium	NA	12/02/88	ND		0.44	1.000
Silver	NA	12/05/88	ND		1.55	1.000
Thallium	NA	12/02/88	ND		0.66	1.000
Zinc	NA	12/05/88	26.97		0.88	1.000

ENGINEERING SCIENCE 135-07

C:R-01.DBF

CUSTOMER ID: BCS-SB5-SS1-0-2

metaTRACE LAB ID: AA21353

SAMPLE DATE: 11/01/88

MATRIX: SOIL

CATEGORY: PP_METALS

METHOD: EPA 6010

UNITS: UG/G

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05/15/89

PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	DIL
Antimony	NA	12/05/88	ND		11.96	1.000
Arsenic	NA	12/21/88	33.17		0.65	1.000
Beryllium	NA	12/05/88	ND		1.09	1.000
Cadmium	NA	12/05/88	ND		1.09	1.000
Chromium	NA	12/05/88	10.00		2.18	1.000
Copper	NA	12/05/88	6.35		2.18	1.000
Lead	NA	12/05/88	13.30		0.65	1.000
Nickel	NA	12/05/88	6.83		5.66	1.000
Mercury	NA	12/05/88	ND		5.66	1.000
Selenium	NA	12/02/88	ND		0.44	1.000
Silver	NA	12/05/88	ND		1.52	1.000
Thallium	NA	12/02/88	ND		0.65	1.000
Zinc	NA	12/05/88	10.25		0.87	1.000

ENGINEERING SCIENCE 135-07

C:\R-01A.DBF

CUSTOMER ID: BC5-S85-SS1-0-2

metaTRACE LAB ID: AA21369

SAMPLE DATE: 11/01/88

MATRIX: SOIL

CATEGORY: MISC.

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05/15/89

PARAMETER	METHOD	DATE EXT	DATE_AMA	CONC.	UNITS	ERR	DL	DIL
Percent Moisture	ASTM	NA	12/16/88	7.86	PRCNT	-		1.000

ENGINEERING SCIENCE 135-07

C:\R-01.DBF

CUSTOMER ID: SC5-SB5-SS1-0-2

metaTRACE LAB ID: AA21353

SAMPLE DATE: 11/01/88

MATRIX: SOIL

CATEGORY: MISC.

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PARAMETER	METHOD	DATE EXT	DATE_ANA	CONC.	UNITS	ERR	DL	DIL
Percent Moisture	ASTM	NA	12/16/88	8.06	PRCNT	-	-	---

etaTRACE, Inc.

13715 Rider Trail North

• Earth City, MO 63045 •

314) 298-8566

ENGINEERING SCIENCE 135-07

C:\R-01B.DBF

CUSTOMER ID: BC5-S85-SS2-10-12.5

etaTRACE LAB ID: AA21370

SAMPLE DATE: 11/01/88

MATRIX: SOIL

CATEGORY: MISC.

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05/15/89

PARAMETER	METHOD	DATE EXT	DATE_AMA	CONC.	UNITS	ERR	DL	DIL
Percent Moisture	ASTM	NA	12/16/88	8.73	PRCNT	-		1.000

ENGINEERING SCIENCE 135-07

C:\R-01.DBF

CUSTOMER ID: BC5-S85-SS2-10-12-5

etaTRACE LAB ID: AA21354

SAMPLE DATE: 11/01/88

MATRIX: SOIL

CATEGORY: MISC.

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05/15/89

PARAMETER	METHOD	DATE EXT	DATE_AMA	CONC.	UNITS	ERR	DL	DIL
Percent Moisture	ASTM	NA	12/16/88	9.44	PRCNT	-		1.000

ENGINEERING SCIENCE 135-07

C:\R-01.DBF

CUSTOMER ID: BC5-SB6-SS2-5-10

netaTRACE LAB ID: AA21359

SAMPLE DATE: 11/01/88

MATRIX: SOIL

CATEGORY: PAN

METHOD: EPA 8100

UNITS: UG/G

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05/15/89

PARAMETER	DATE_EXT	DATE_AMA	CONC.	ERR	DL	DIL
Naphthalene	11/07/88	11/16/88	ND		0.53	1.000
Acenaphthylene	11/07/88	11/16/88	ND		0.53	1.000
Acenaphthene	11/07/88	11/16/88	ND		0.53	1.000
Fluorene	11/07/88	11/16/88	ND		0.53	1.000
Phenanthrene	11/07/88	11/16/88	ND		0.53	1.000
Anthracene	11/07/88	11/16/88	ND		0.53	1.000
Fluoranthene	11/07/88	11/16/88	ND		0.53	1.000
Pyrene	11/07/88	11/16/88	ND		0.53	1.000
Benzo(a)anthracene	11/07/88	11/16/88	ND		0.53	1.000
Chrysene	11/07/88	11/16/88	ND		0.53	1.000
Benzo(b)fluoranthene	11/07/88	11/16/88	ND		0.53	1.000
Benzo(k)fluoranthene	11/07/88	11/16/88	ND		0.53	1.000
Benzo(a)pyrene	11/07/88	11/16/88	ND		0.53	1.000
Indeno(1,2,3-cd)pyrene	11/07/88	11/16/88	ND		0.53	1.000
Dibenz(a,h)anthracene	11/07/88	11/16/88	ND		0.53	1.000
Benzo(g,h,i)perylene	11/07/88	11/16/88	ND		0.53	1.000

ENGINEERING SCIENCE 135-07

C:\R-01.DBF

CUSTOMER ID: BCS-SB6-SS1-0-2

metaTRACE LAB ID: AA21358

SAMPLE DATE: 11/01/88

MATRIX: SOIL

CATEGORY: PAN

METHOD: EPA 8100

UNITS: UG/G

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05/15/89

PARAMETER	DATE_EXT	DATE_AMA	CONC.	ERR	DL	DL
Naphthalene	11/07/88	11/16/88	ND		0.53	1.000
Acenaphthylene	11/07/88	11/16/88	ND		0.53	1.000
Acenaphthene	11/07/88	11/16/88	ND		0.53	1.000
Fluorene	11/07/88	11/16/88	ND		0.53	1.000
Phenanthrene	11/07/88	11/16/88	0.68		0.53	1.000
Anthracene	11/07/88	11/16/88	ND		0.53	1.000
Fluoranthene	11/07/88	11/16/88	ND		0.53	1.000
Pyrene	11/07/88	11/16/88	ND		0.53	1.000
Benzo(a)anthracene	11/07/88	11/16/88	ND		0.53	1.000
Chrysene	11/07/88	11/16/88	0.68		0.53	1.000
Benzo(b)fluoranthene	11/07/88	11/16/88	0.54		0.53	1.000
Benzo(k)fluoranthene	11/07/88	11/16/88	ND		0.53	1.000
Benzo(a)pyrene	11/07/88	11/16/88	0.55		0.53	1.000
Indeno(1,2,3-cd)pyrene	11/07/88	11/16/88	ND		0.53	1.000
Dibenz(a,h)anthracene	11/07/88	11/16/88	ND		0.53	1.000
Benzo(g,h,i)perylene	11/07/88	11/16/88	ND		0.53	1.000

ENGINEERING SCIENCE 135-07

C:R-01.D8F

CUSTOMER ID: BCS-SB4-S32-S-10

netaTRACE LAB ID: AA21359

SAMPLE DATE: 11/01/88

MATRIX: SOIL

CATEGORY: PP_METALS

METHOD: EPA 6010

UNITS: ug/g

Page No. 1
05/15/89

PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	DIL
Antimony	NA	12/05/88	ND		11.59	1.000
Arsenic	NA	12/05/88	30.14		0.45	1.000
Beryllium	NA	12/05/88	ND		1.05	1.000
Cadmium	NA	12/05/88	ND		1.05	1.000
Chromium	NA	12/05/88	14.05		2.11	1.000
Copper	NA	12/05/88	5.45		2.11	1.000
Lead	NA	12/05/88	1.55		0.45	1.000
Mercury	NA	11/19/88	ND		0.11	1.000
Nickel	NA	12/05/88	12.66		5.46	1.000
Selenium	NA	12/05/88	ND		0.42	1.000
Silver	NA	12/05/88	ND		1.46	1.000
Thallium	NA	12/05/88	ND		0.45	1.000
Zinc	NA	12/05/88	24.01		0.85	1.000

ENGINEERING SCIENCE 135-07

C:\R-01.DOF

CUSTOMER ID: BCS-S86-S51-0-2

metaTRACE LAB ID: AA21358

SAMPLE DATE: 11/01/88

MATRIX: SOIL

CATEGORY: PP_METALS

METHOD: EPA 6010

UNITS: UG/G

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05/15/89

PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	DIL
Antimony	NA	12/08/88	ND		11.65	1.000
Arsenic	NA	12/21/88	11.46		0.64	1.000
Beryllium	NA	12/08/88	ND		1.06	1.000
Cadmium	NA	12/08/88	1.31		1.06	1.000
Chromium	NA	12/08/88	11.16		2.12	1.000
Copper	NA	12/08/88	6.99		2.12	1.000
Lead	NA	12/08/88	19.01		0.64	1.000
Mercury	NA	11/19/88	ND		0.11	1.000
Nickel	NA	12/08/88	8.45		5.31	1.000
Selenium	NA	12/08/88	ND		0.42	1.000
Silver	NA	12/08/88	ND		1.48	1.000
Thallium	NA	12/08/88	ND		0.64	1.000
Zinc	NA	12/08/88	88.76		0.85	1.000

ENGINEERING SCIENCE 135-07

C:\R-01.DBF

CUSTOMER ID: BCS-S86-S82-5-10

metaTRACE LAB ID: AA21359

SAMPLE DATE: 11/01/88

MATRIX: SOIL

CATEGORY: MISC.

Page No. 1
05/15/89

PARAMETER	METHOD	DATE EXT	DATE_AMA	CONC.	UNITS	ERR	DL	OIL
Percent Moisture	ASTM	NA	12/16/88	5.09	PRCNT	-		1.000

ENGINEERING SCIENCE 133-07

C:\R-01.DBF

CUSTOMER ID: BC5-SB6-SS1-0-2

metaTRACE LAB ID: AA21358

SAMPLE DATE: 11/01/88

MATRIX: SOIL

CATEGORY: MISC.

Page No. 1
05/15/89

PARAMETER	METHOD	DATE EXT	DATE_ANA	CONC.	UNITS	ERR	DL	QIL
Percent Moisture	ASTM	NA	12/16/88	5.60	PERCENT	-		1.000

ENGINEERING SCIENCE 135-07

C:R-01.08F

CUSTOMER ID: BCS-SB7-SS1-0-2

metaTRACE LAB ID: AA21335

SAMPLE DATE: 11/01/88

MATRIX: SOIL

CATEGORY: PP_METALS

METHOD: EPA 6010

UNITS: UG/G

Page No. 1
05/15/89

PARAMETER	DATE_EXT	DATE_AMA	CONC.	ERR	DL	DIL
Antimony	NA	12/05/88	ND		11.94	1.000
Arsenic	NA	12/21/88	3.56		0.65	1.000
Beryllium	NA	12/05/88	ND		1.09	1.000
Cadmium	NA	12/05/88	ND		1.09	1.000
Chromium	NA	12/05/88	13.50		2.17	1.000
Copper	NA	12/05/88	13.99		2.17	1.000
Lead	NA	12/05/88	13.89		0.65	1.000
Mercury	NA	11/19/88	ND		0.11	1.000
Nickel	NA	12/05/88	8.43		5.64	1.000
Selenium	NA	12/02/88	ND		0.43	1.000
Silver	NA	12/05/88	ND		1.32	1.000
Thallium	NA	12/02/88	ND		0.65	1.000
Zinc	NA	12/05/88	48.44		0.87	1.000

ENGINEERING SCIENCE 135-07

C:R-010.007

CUSTOMER ID: BC3-887-SS1-0-2

metaTRACE LAB ID: AA21371

SAMPLE DATE: 11/01/88

MATRIX: SOIL

CATEGORY: PAN

METHOD: EPA 8100

UNITS: ug/g

Page No. 1

05/15/89

PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	DIL
Naphthalene	11/02/88	11/16/88	ND		0.95	1.000
Acenaphthylene	11/02/88	11/16/88	ND		0.95	1.000
Acenaphthene	11/02/88	11/16/88	ND		0.95	1.000
Fluorene	11/02/88	11/16/88	ND		0.95	1.000
Phenanthrene	11/02/88	11/16/88	ND		0.95	1.000
Anthracene	11/02/88	11/16/88	ND		0.95	1.000
Fluoranthene	11/02/88	11/16/88	ND		0.95	1.000
Pyrene	11/02/88	11/16/88	ND		0.95	1.000
Benzo(a)anthracene	11/02/88	11/16/88	ND		0.95	1.000
Chrysene	11/02/88	11/16/88	ND		0.95	1.000
Benzo(b)fluoranthene	11/02/88	11/16/88	ND		0.95	1.000
Benzo(k)fluoranthene	11/02/88	11/16/88	ND		0.95	1.000
Benzo(a)pyrene	11/02/88	11/16/88	ND		0.95	1.000
Indeno(1,2,3-cd)pyrene	11/02/88	11/16/88	ND		0.95	1.000
Dibenz(a,h)anthracene	11/02/88	11/16/88	ND		0.95	1.000
Benzo(g,h,i)perylene	11/02/88	11/16/88	ND		0.95	1.000

ataTRACE, Inc.

13715 Rider Trail North

• Earth City, MO 63045

• 314) 298-8566

ENGINEERING SCIENCE 135-07

C:\R-01B.D07

CUSTOMER ID: SC3-S87-SS1-0-2

metaTRACE LAB ID: AA21371

SAMPLE DATE: 11/01/88

MATRIX: SOIL

CATEGORY: MISC.

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05/15/89

PARAMETER	METHOD	DATE EXT	DATE_AMA	CONC.	UNITS	ERR	DL	DIL
Percent Moisture	ASTM	NA	12/16/88	8.32	PERCENT	-		1.000

ENGINEERING SCIENCE 135-07

C:\R-01.D0F

CUSTOMER ID: BCS-887-S81-0-2

metaTRACE LAB ID: AA21335

SAMPLE DATE: 11/01/88

MATRIX: SOIL

CATEGORY: MISC.

 Page No. 1
 05/15/89

PARAMETER	METHOD	DATE EXT	DATE_AMA	CONC.	UNITS	ERR	DL	DIL
Percent Moisture	ASTM	NA	12/16/88	7.87	PERCENT	-		1.000

ENGINEERING SCIENCE 135-07

C:\R-03A.DBF

CUSTOMER ID: 8C6-S81-SS2-5-10

metaTRACE LAB ID: AA21450

SAMPLE DATE: 11/03/88

MATRIX: SOIL

CATEGORY: VOLATILES

METHOD: EPA 8240

UNITS: UG/KG

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05/15/89

PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	DIL
Chloromethane	NA	11/07/88	ND		11.32	1.000
Bromomethane	NA	11/07/88	ND		11.32	1.000
Vinyl Chloride	NA	11/07/88	ND		11.32	1.000
Chloroethane	NA	11/07/88	ND		11.32	1.000
Methylene Chloride	NA	11/07/88	14.00	0	5.66	1.000
Acetone	NA	11/07/88	ND		11.32	1.000
Carbon Disulfide	NA	11/07/88	ND		5.66	1.000
1,1-Dichloroethane	NA	11/07/88	ND		5.66	1.000
1,1-Dichloroethane	NA	11/07/88	ND		5.66	1.000
1,2-Dichloroethane (total)	NA	11/07/88	ND		5.66	1.000
Chloroform	NA	11/07/88	ND		5.66	1.000
1,2-Dichloroethane	NA	11/07/88	ND		5.66	1.000
2-Butanone	NA	11/07/88	ND		11.32	1.000
1,1,1-Trichloroethane	NA	11/07/88	ND		5.66	1.000
Carbon Tetrachloride	NA	11/07/88	ND		5.66	1.000
Vinyl Acetate	NA	11/07/88	ND		11.32	1.000
Bromodichloromethane	NA	11/07/88	ND		5.66	1.000
1,1,2,2-Tetrachloroethane	NA	11/07/88	ND		5.66	1.000
1,2-Dichloropropane	NA	11/07/88	ND		5.66	1.000
cis-1,3-Dichloropropane	NA	11/07/88	ND		5.66	1.000
Trichloroethane	NA	11/07/88	ND		5.66	1.000
Dibromochloromethane	NA	11/07/88	ND		5.66	1.000
1,1,2-Trichloroethane	NA	11/07/88	ND		5.66	1.000
Benzene	NA	11/07/88	ND		5.66	1.000
trans-1,3-Dichloropropane	NA	11/07/88	ND		5.66	1.000
Bromoform	NA	11/07/88	ND		5.66	1.000
2-Pentanone	NA	11/07/88	ND		11.32	1.000
4-Methyl-2-pentanone	NA	11/07/88	ND		11.32	1.000
Tetrachloroethane	NA	11/07/88	ND		5.66	1.000
Toluene	NA	11/07/88	ND		5.66	1.000
Chlorobenzene	NA	11/07/88	ND		5.66	1.000
Ethyl Benzene	NA	11/07/88	ND		5.66	1.000
Styrene	NA	11/07/88	ND		5.66	1.000
Styrenes (Total)	NA	11/07/88	ND		5.66	1.000

ENGINEERING SCIENCE 135-07

C:\R-03A.DBF

CUSTOMER ID: BC4-SB1-SS1-0-5

metaTRACE LAB ID: AA21449

SAMPLE DATE: 11/03/88

MATRIX: SOIL

CATEGORY: VOLATILES

METHOD: EPA 8240

UNITS: UG/KG

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PARAMETER	DATE_EXT	DATE_AMA	CONC.	ERR	DL	DIL
Chloromethane	NA	11/07/88	ND		10.59	1.000
Bromomethane	NA	11/07/88	ND		10.59	1.000
Vinyl Chloride	NA	11/07/88	ND		10.59	1.000
Chloroethane	NA	11/07/88	ND		10.59	1.000
Methylene Chloride	NA	11/07/88	19.00	0	5.29	1.000
Acetone	NA	11/07/88	ND		10.59	1.000
Carbon Disulfide	NA	11/07/88	ND		5.29	1.000
1,1-Dichloroethane	NA	11/07/88	ND		5.29	1.000
1,1-Dichloroethane	NA	11/07/88	ND		5.29	1.000
1,2-Dichloroethane (total)	NA	11/07/88	ND		5.29	1.000
Chloroform	NA	11/07/88	ND		5.29	1.000
1,2-Dichloroethane	NA	11/07/88	ND		5.29	1.000
2-Butanone	NA	11/07/88	ND		10.59	1.000
1,1,1-Trichloroethane	NA	11/07/88	ND		5.29	1.000
Carbon Tetrachloride	NA	11/07/88	ND		5.29	1.000
Vinyl Acetate	NA	11/07/88	ND		10.59	1.000
Bromodichloromethane	NA	11/07/88	ND		5.29	1.000
1,1,2,2-Tetrachloroethane	NA	11/07/88	ND		5.29	1.000
1,2-Dichloropropane	NA	11/07/88	ND		5.29	1.000
cis-1,3-Dichloropropene	NA	11/07/88	ND		5.29	1.000
Trichloroethene	NA	11/07/88	ND		5.29	1.000
Dibromochloromethane	NA	11/07/88	ND		5.29	1.000
1,1,2-Trichloroethane	NA	11/07/88	ND		5.29	1.000
Benzene	NA	11/07/88	ND		5.29	1.000
trans-1,3-Dichloropropene	NA	11/07/88	ND		5.29	1.000
Bromobenzene	NA	11/07/88	ND		5.29	1.000
2-Naphthol	NA	11/07/88	ND		10.59	1.000
4-Methyl-2-pentanone	NA	11/07/88	ND		10.59	1.000
Tetrachloroethene	NA	11/07/88	ND		5.29	1.000
Toluene	NA	11/07/88	ND		5.29	1.000
Chlorobenzene	NA	11/07/88	ND		5.29	1.000
Ethyl Benzene	NA	11/07/88	ND		5.29	1.000
Styrene	NA	11/07/88	ND		5.29	1.000
Xylenes (Total)	NA	11/07/88	ND		5.29	1.000

ENGINEERING SCIENCE 135-07

C:\R-03A.DBF

CUSTOMER ID: SC6-SB1-SS2-5-10

metaTRACE LAB ID: AA21450

SAMPLE DATE: 11/03/88

MATRIX: SOIL

CATEGORY: MISC.

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05/15/89

PARAMETER	METHOD	DATE EXT	DATE_AMA	CONC.	UNITS	ERR	DL	OIL
Percent Moisture	ASTM	NA	12/19/88	11.64	PERCENT	-		1.000

ENGINEERING SCIENCE 135-07

C:\R-03A.D07

CUSTOMER ID: DC6-881-881-0-5

metaTRACE LAB ID: AA21449

SAMPLE DATE: 11/03/88

MATRIX: SOIL

CATEGORY: MISC.

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PARAMETER	METHOD	DATE EXT	DATE_AMA	CONC.	UNITS	ERR	DL	DIL
Percent Moisture	ASTM	NA	12/19/88	5.57	PERCT	-		1.000

ENGINEERING SCIENCE 135-07

C:\R-03C.DBF

CUSTOMER ID: BC6-S81-SS1-0-5

metaTRACE LAB ID: AA21467

SAMPLE DATE: 11/03/88

MATRIX: SOIL

CATEGORY: MISC.

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PARAMETER	METHOD	DATE EXT	DATE_ANA	CONC.	UNITS	ERR	DL	
Percent Moisture	ASTM	NA	12/19/88	7.57	PERCENT			100
Total Petroleum Hydrocarbons	EPA 418.1	NA	11/09/88	ND	UG/UG		214.38	100

ENGINEERING SCIENCE 133-07

C:\R-03A.DBP

CUSTOMER ID: 8CA-SB2-SS1-0-5

newTRACE LAB ID: AA21451

SAMPLE DATE: 11/03/08

MATRIX: SOIL

CATEGORY: VOLATILES

METHOD: EPA 8240

UNITS: UG/KG

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05/15/09

PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	DIL
Chloromethane	NA	11/07/08	ND		10.81	1.000
Bromomethane	NA	11/07/08	ND		10.81	1.000
Vinyl Chloride	NA	11/07/08	ND		10.81	1.000
Chloroethane	NA	11/07/08	ND		10.81	1.000
Methylene Chloride	NA	11/07/08	07.00		5.40	1.000
Acetone	NA	11/07/08	ND		10.81	1.000
Carbon Disulfide	NA	11/07/08	ND		5.40	1.000
1,1-Dichloroethane	NA	11/07/08	ND		5.40	1.000
1,1-Dichloroethane	NA	11/07/08	ND		5.40	1.000
1,2-Dichloroethane (total)	NA	11/07/08	ND		5.40	1.000
Chloroform	NA	11/07/08	ND		5.40	1.000
1,2-Dichloroethane	NA	11/07/08	ND		5.40	1.000
2-Butanone	NA	11/07/08	ND		10.81	1.000
1,1,1-Trichloroethane	NA	11/07/08	ND		5.40	1.000
Carbon Tetrachloride	NA	11/07/08	ND		5.40	1.000
Vinyl Acetate	NA	11/07/08	ND		10.81	1.000
Bromodichloromethane	NA	11/07/08	ND		5.40	1.000
1,1,2,2-Tetrachloroethane	NA	11/07/08	ND		5.40	1.000
1,2-Dichloropropane	NA	11/07/08	ND		5.40	1.000
cis-1,3-Dichloropropane	NA	11/07/08	ND		5.40	1.000
Trichloroethane	NA	11/07/08	ND		5.40	1.000
Dibromochloromethane	NA	11/07/08	ND		5.40	1.000
1,1,2-Trichloroethane	NA	11/07/08	ND		5.40	1.000
Benzene	NA	11/07/08	ND		5.40	1.000
trans-1,3-Dichloropropane	NA	11/07/08	ND		5.40	1.000
Bromoform	NA	11/07/08	ND		5.40	1.000
2-Nonanone	NA	11/07/08	ND		10.81	1.000
4-Methyl-2-pentanone	NA	11/07/08	ND		10.81	1.000
Tetrachloroethane	NA	11/07/08	ND		5.40	1.000
Toluene	NA	11/07/08	ND		5.40	1.000
Chlorobenzene	NA	11/07/08	ND		5.40	1.000
Ethyl Benzene	NA	11/07/08	ND		5.40	1.000
Styrene	NA	11/07/08	ND		5.40	1.000
Xylenes (Total)	NA	11/07/08	ND		5.40	1.000

metTRACE, Inc.

13715 Rider Trail North

Earth City, MO 63045

314-298-4566

ENGINEERING SCIENCE 135-07

CIR-03C.08P

CUSTOMER ID: BCB-SB1-SS2-5-10

metTRACE LAB ID: AA21468

SAMPLE DATE: 11/03/08

MATRIX: SOIL

CATEGORY: MISC.

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05/15/09

PARAMETER	METHOD	DATE EXT	DATE_ANA	CONC.	UNITS	ERR	DL	DIL
Percent Moisture	ASTM	NA	12/19/08	10.77	PERCT	-	-	1.000
Total Petroleum Hydrocarbons	EPA 418.1	NA	11/09/08	ND	UG/KG	-	224.14	1.000

metaTRACE, Inc.

13715 Rider Trail North

• Earth City, MO 63045

• 3141 208-8566

ENGINEERING SCIENCE 133-07

C:R-03A.08P

CUSTOMER ID: SC6-SB2-S31-0-5

metaTRACE LAB ID: AA21451

SAMPLE DATE: 11/03/88

MATRIX: SOIL

CATEGORY: MISC.

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05/15/89

PARAMETER	METHOD	DATE EXT	DATE_AMA	CONC.	UNITS	ERR	DL	QIL
Percent Moisture	ASTM	NA	12/19/88	7.48	PERCT	-		1.000

ADT 2000, Inc.

13715 Rider Trail North

Earth City MO 63045

314.298.8544

ENGINEERING SCIENCE 153-07

C:\R-03A.D87

CUSTOMER ID: BCA-SB2-SB2-10-15

MYSTRACE LAB ID: AA21452

SAMPLE DATE: 11/03/88

MATRIX: SOIL

CATEGORY: VOLATILES

NET'OD: EPA 8240

UNITS: UG/KG

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03/15/89

PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	QIL
Chloromethane	NA	11/07/88	ND		10.70	1.000
Bromomethane	NA	11/07/88	ND		10.70	1.000
Vinyl Chloride	NA	11/07/88	ND		10.70	1.000
Chloroethane	NA	11/07/88	ND		10.70	1.000
Methylene Chloride	NA	11/07/88	07.00		5.35	1.000
Acetone	NA	11/07/88	ND		10.70	1.000
Carbon Disulfide	NA	11/07/88	ND		5.35	1.000
1,1-Dichloroethane	NA	11/07/88	ND		5.35	1.000
1,1-Dichloroethane	NA	11/07/88	ND		5.35	1.000
1,2-Dichloroethane (total)	NA	11/07/88	ND		5.35	1.000
Chloroform	NA	11/07/88	ND		5.35	1.000
1,2-Dichloroethane	NA	11/07/88	ND		5.35	1.000
2-Butanone	NA	11/07/88	ND		10.70	1.000
1,1,1-Trichloroethane	NA	11/07/88	ND		5.35	1.000
Carbon Tetrachloride	NA	11/07/88	ND		5.35	1.000
Vinyl Acetate	NA	11/07/88	ND		10.70	1.000
Bromodichloromethane	NA	11/07/88	ND		5.35	1.000
1,1,2,2-Tetrachloroethane	NA	11/07/88	ND		5.35	1.000
1,2-Dichloropropane	NA	11/07/88	ND		5.35	1.000
cis-1,3-Dichloropropane	NA	11/07/88	ND		5.35	1.000
Trichloroethane	NA	11/07/88	ND		5.35	1.000
Dibromochloromethane	NA	11/07/88	ND		5.35	1.000
1,1,2-Trichloroethane	NA	11/07/88	ND		5.35	1.000
Benzene	NA	11/07/88	ND		5.35	1.000
trans-1,3-Dichloropropane	NA	11/07/88	ND		5.35	1.000
Bromoform	NA	11/07/88	ND		5.35	1.000
2-Hexanone	NA	11/07/88	ND		10.70	1.000
4-Methyl-2-pentanone	NA	11/07/88	ND		10.70	1.000
Tetrachloroethane	NA	11/07/88	ND		5.35	1.000
Toluene	NA	11/07/88	5.00		5.35	1.000
Chlorobenzene	NA	11/07/88	ND		5.35	1.000
Ethyl Benzene	NA	11/07/88	ND		5.35	1.000
Styrene	NA	11/07/88	ND		5.35	1.000
Xylenes (Total)	NA	11/07/88	ND		5.35	1.000

metaTRACE, Inc.

13715 Rider Trail North

Earth City, MO 63045

314.12.8-4566

ENGINEERING SCIENCE 135-07

C:\R-03A.D0F

CUSTOMER ID: BC6-SB2-SS2-10-15

metaTRACE LAB ID: AA21452

SAMPLE DATE: 11/03/08

MATRIX: SOIL

CATEGORY: MISC.

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PARAMETER	METHOD	DATE EXT	DATE_ANA	CONC.	UNITS	ERR	DL	DIL
Percent Moisture	ASTM	NA	12/19/08	6.51	PERCT	-	-	1.000

metaTRACE, Inc.

13715 Rider Trail North

Earth City, MO 63045

314) 298-8566

ENGINEERING SCIENCE 133-07

C:R-03C.087

CUSTOMER ID: SC6-SB2-SS1-0-5

metaTRACE LAB ID: AA21449

SAMPLE DATE: 11/03/88

MATRIX: SOIL

CATEGORY: MISC.

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PARAMETER	METHOD	DATE EXT	DATE_ANA	CONC.	UNITS	ERR	DL	DIL
Percent Moisture	ASTM	NA	12/19/88	7.32	PERCENT			1.000
Total Petroleum Hydrocarbons	EPA 418.1	NA	11/09/88	ND	UG/LTG		216.26	1.000

metTRACE, Inc.

13715 Rider Trail North

Earth City, MO 63045

314.281.1100

ENGINEERING SCIENCE 135-07

CIR-03C.D8F

CUSTOMER ID: BC6-582-552-10-15

metTRACE LAB ID: AA21670

SAMPLE DATE: 11/03/88

MATRIX: SOIL

CATEGORY: MISC.

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PARAMETER	METHOD	DATE EXT	DATE_ANA	CONC.	UNITS	ERR	DL	QIL
Percent Moisture	ASTM	NA	12/19/88	6.90	PERCT			1.000
Total Petroleum Hydrocarbons	EPA 418.1	NA	11/09/88	ND	UG/GB		214.82	1.000

ENGINEERING SCIENCE 135-07

C:\R-038.DBF

CUSTOMER ID: BC6-583-S81-0-5

metTRACE LAB ID: AA21453

SAMPLE DATE: 11/03/88

MATRIX: SOIL

CATEGORY: VOLATILES

METHOD: EPA 8240

UNITS: UG/KG

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05/15/89

PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	DIL
Chloromethane	NA	11/08/88	ND		10.62	1.000
Bromomethane	NA	11/08/88	ND		10.62	1.000
Vinyl Chloride	NA	11/08/88	ND		10.62	1.000
Chloroethane	NA	11/08/88	ND		10.62	1.000
Methylene Chloride	NA	11/08/88	56.00	0	5.31	1.000
Acetone	NA	11/08/88	ND		10.62	1.000
Carbon Disulfide	NA	11/08/88	ND		5.31	1.000
1,1-Dichloroethane	NA	11/08/88	ND		5.31	1.000
1,1-Dichloroethane	NA	11/08/88	ND		5.31	1.000
1,2-Dichloroethane (total)	NA	11/08/88	ND		5.31	1.000
Chloroform	NA	11/08/88	ND		5.31	1.000
1,2-Dichloroethane	NA	11/08/88	ND		5.31	1.000
2-Butanone	NA	11/08/88	ND		10.62	1.000
1,1,1-Trichloroethane	NA	11/08/88	ND		5.31	1.000
Carbon Tetrachloride	NA	11/08/88	ND		5.31	1.000
Vinyl Acetate	NA	11/08/88	ND		10.62	1.000
Bromodichloromethane	NA	11/08/88	ND		5.31	1.000
1,1,2,2-Tetrachloroethane	NA	11/08/88	ND		5.31	1.000
1,2-Dichloropropane	NA	11/08/88	ND		5.31	1.000
cis-1,3-Dichloropropane	NA	11/08/88	ND		5.31	1.000
Trichloroethane	NA	11/08/88	ND		5.31	1.000
Dibromochloromethane	NA	11/08/88	ND		5.31	1.000
1,1,2-Trichloroethane	NA	11/08/88	ND		5.31	1.000
Benzene	NA	11/08/88	ND		5.31	1.000
trans-1,3-Dichloropropane	NA	11/08/88	ND		5.31	1.000
Bromobenzene	NA	11/08/88	ND		5.31	1.000
2-Naphthalene	NA	11/08/88	ND		10.62	1.000
4-Methyl-2-pentanone	NA	11/08/88	ND		10.62	1.000
Tetrachloroethane	NA	11/08/88	ND		5.31	1.000
Toluene	NA	11/08/88	ND		5.31	1.000
Chlorobenzene	NA	11/08/88	ND		5.31	1.000
Ethyl Benzene	NA	11/08/88	ND		5.31	1.000
Styrene	NA	11/08/88	ND		5.31	1.000
Xylenes (Total)	NA	11/08/88	ND		5.31	1.000

ROBERTSON, Inc.

13715 Rider Trail North

Earth City, MO 63045

314-201-1100

ENGINEERING SCIENCE 133-07

C:\R-038.DBF

CUSTOMER ID: BCS-SB3-SS2-5-10

RETRACE LAB ID: AA21454

SAMPLE DATE: 11/03/88

MATRIX: SOIL

CATEGORY: VOLATILES

METHOD: EPA 8240

UNITS: UG/KG

Page No. 1
05/15/89

PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	DIL
Chloroethane	NA	11/08/88	ND		10.97	1.000
Bromoethane	NA	11/08/88	ND		10.97	1.000
Vinyl Chloride	NA	11/08/88	ND		10.97	1.000
Chloroethane	NA	11/08/88	ND		10.97	1.000
Methylene Chloride	NA	11/08/88	170.00	0	5.48	1.000
Acetone	NA	11/08/88	27.00		10.97	1.000
Carbon Disulfide	NA	11/08/88	ND		5.48	1.000
1,1-Dichloroethane	NA	11/08/88	ND		5.48	1.000
1,1-Dichloroethane	NA	11/08/88	ND		5.48	1.000
1,2-Dichloroethane (total)	NA	11/08/88	ND		5.48	1.000
Chloroform	NA	11/08/88	ND		5.48	1.000
1,2-Dichloroethane	NA	11/08/88	ND		5.48	1.000
2-Butanone	NA	11/08/88	ND		10.97	1.000
1,1,1-Trichloroethane	NA	11/08/88	ND		5.48	1.000
Carbon Tetrachloride	NA	11/08/88	ND		5.48	1.000
Vinyl Acetate	NA	11/08/88	ND		10.97	1.000
Bromodichloromethane	NA	11/08/88	ND		5.48	1.000
1,1,2,2-Tetrachloroethane	NA	11/08/88	ND		5.48	1.000
1,2-Dichloropropane	NA	11/08/88	ND		5.48	1.000
cis-1,3-Dichloropropane	NA	11/08/88	ND		5.48	1.000
Trichloroethane	NA	11/08/88	ND		5.48	1.000
Dibromochloromethane	NA	11/08/88	ND		5.48	1.000
1,1,2-Trichloroethane	NA	11/08/88	ND		5.48	1.000
Benzene	NA	11/08/88	ND		5.48	1.000
trans-1,3-Dichloropropane	NA	11/08/88	ND		5.48	1.000
Bromoform	NA	11/08/88	ND		5.48	1.000
2-Methanone	NA	11/08/88	ND		10.97	1.000
4-Methyl-2-pentanone	NA	11/08/88	ND		10.97	1.000
Tetrachloroethane	NA	11/08/88	ND		5.48	1.000
Toluene	NA	11/08/88	ND		5.48	1.000
Chlorobenzene	NA	11/08/88	ND		5.48	1.000
Ethyl Benzene	NA	11/08/88	ND		5.48	1.000
Styrene	NA	11/08/88	ND		5.48	1.000
Xylenes (Total)	NA	11/08/88	ND		5.48	1.000

metATRACE, Inc.

13715 River Trail North

Earth City MO 63045

314-298-1116

ENGINEERING SCIENCE 133-07

C:\R-038.D07

CUSTOMER ID: BCA-SB3-SS1-0-5

metATRACE LAB ID: AA21453

SAMPLE DATE: 11/03/88

MATRIX: SOIL

CATEGORY: MISC.

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05/15/89

PARAMETER	METHOD	DATE EXT	DATE_AMA	CONC.	UNITS	ERR	DL	DIL
Percent Moisture	ASTM	NA	12/19/88	9.80	PERCENT	-		1.000

INTEGRITY, Inc.

13745 River Trail North

Tamh City, MO 65445

314-441-1111

EQ: 10100 SOIL MOE 105-07

018-008.DRP

CUSTOMER ID: SCA-S&S-SS2-S-10

INTEGRITY LAB ID: NA21454

SAMPLE DATE: 11/23/18

MATRIX: SOIL

CATEGORY: MISC.

Page No. 1
05/15/19

PARAMETER	METHOD	DATE EXT	DATE_AMA	CONC.	UNITS	ERR	DL	DL
Percent Moisture	ASTM	NA	12/19/18	8.82	PERCENT			1.00

METAL DANCE, Inc.

13715 Rider Trail North

Earth City MO 63045

314.241.1111

ENGINEERING SCIENCE 133-07

C 8-030108F

CUSTOMER ID: SC6-S83-SS1-0-5

RETRACE LAB ID: AA21471

SAMPLE DATE: 11/03/98

MATRIX: SOIL

CATEGORY: MISC.

Page No.

05/15/89

PARAMETER	METHOD	DATE EXT	DATE_ABA	CONC.	UNITS	ERR	DL	QTL
Percent Moisture	ASTM	NA	12/19/88	7.15	PERCT			1,000
Total Petroleum Hydrocarbons	EPA 418.1	NA	11/09/88	ND	UG/KG		215.40	1,000

metTRACE, Inc.

13715 Rider Trail North

Earth City, MO 63045

214.633.8100

ENGINEERING SCIENCE 155-07

C:\E-OSC.DBF

CUSTOMER ID: 8CA-S83-SS2-5-10

metTRACE LAB ID: AA21472

SAMPLE DATE: 11/15/8

MATRIX: SOIL

CATEGORY: MISC.

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05/15/89

PARAMETER	METHOD	DATE EXT	DATE_ANA	CONC.	UNITS	ERR	DL	DL
Percent Moisture	ASTM	NA	12/19/88	9.46	PERCENT			1.000
Total Petroleum Hydrocarbons	EPA 418.1	NA	11/09/88	ND	UG/LB		220.90	1.000

ENGINEERING SCIENCE 133-07

C:\R-038.DBF

CUSTOMER ID: BCB-SBA-221-0-5

metTRACE LAB ID: AA21456

SAMPLE DATE: 11/07/98

MATRIX: SOIL

CATEGORY: VOLATILES

METHOD: EPA 8240

UNITS: UG/KG

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05/15/99

PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	DTL
Chloromethane	NA	11/08/98	ND		11.04	1.000
Bromomethane	NA	11/08/98	ND		11.04	1.000
Vinyl Chloride	NA	11/08/98	ND		11.04	1.000
Chloroethane	NA	11/08/98	ND		11.04	1.000
Methylene Chloride	NA	11/08/98	44.00	8	5.52	1.000
Acetone	NA	11/08/98	ND		11.04	1.000
Carbon Disulfide	NA	11/08/98	ND		5.52	1.000
1,1-Dichloroethane	NA	11/08/98	ND		5.52	1.000
1,1-Dichloroethane	NA	11/08/98	ND		5.52	1.000
1,2-Dichloroethane (total)	NA	11/08/98	ND		5.52	1.000
Chloroform	NA	11/08/98	ND		5.52	1.000
1,2-Dichloroethane	NA	11/08/98	ND		5.52	1.000
2-Butanone	NA	11/08/98	ND		11.04	1.000
1,1,1-Trichloroethane	NA	11/08/98	ND		5.52	1.000
Carbon Tetrachloride	NA	11/08/98	ND		5.52	1.000
Vinyl Acetate	NA	11/08/98	ND		11.04	1.000
Bromodichloromethane	NA	11/08/98	ND		5.52	1.000
1,1,2,2-Tetrachloroethane	NA	11/08/98	ND		5.52	1.000
1,2-Dichloropropane	NA	11/08/98	ND		5.52	1.000
cis-1,3-Dichloropropene	NA	11/08/98	ND		5.52	1.000
Trichloroethane	NA	11/08/98	ND		5.52	1.000
Dibromochloromethane	NA	11/08/98	ND		5.52	1.000
1,1,2-Trichloroethane	NA	11/08/98	ND		5.52	1.000
Benzene	NA	11/08/98	ND		5.52	1.000
trans-1,3-Dichloropropene	NA	11/08/98	ND		5.52	1.000
Bromoform	NA	11/08/98	ND		5.52	1.000
2-Hexanone	NA	11/08/98	ND		11.04	1.000
4-Methyl-2-pentanone	NA	11/08/98	ND		11.04	1.000
Tetrachloroethane	NA	11/08/98	ND		5.52	1.000
Toluene	NA	11/08/98	ND		5.52	1.000
Chlorobenzene	NA	11/08/98	ND		5.52	1.000
Ethyl Benzene	NA	11/08/98	ND		5.52	1.000
Styrene	NA	11/08/98	ND		5.52	1.000
Xylenes (Total)	NA	11/08/98	ND		5.52	1.000

metATRACE, Inc.

13715 Rider Trail North

Earth City, MO 63045

3141 238-8566

ENGINEERING SCIENCE 133-07

C:\R-038.D09

CUSTOMER ID: SC6-SB4-331-0-5

metATRACE LAB ID: AA21456

SAMPLE DATE: 11/03/38

MATRIX: SOIL

CATEGORY: MISC.

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03/15/89

PARAMETER	METHOD	DATE EXT	DATE_AMA	CONC.	UNITS	ERR	DL	DIL
Percent Moisture	ASTM	NA	12/19/88	9.42	PERCENT	-	-	1,000

metatRACE, Inc.

13715 Rider Trail North

Earth City, MO 63045

(314) 298-8566

ENGINEERING SCIENCE 135-07

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CUSTOMER ID: BCA-SBA-SS1-0-5

metatRACE LAB ID: AA21473

SAMPLE DATE: 11/03/98

MATRIX: SOIL

CATEGORY: WISC.

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05/15/99

PARAMETER	METHOD	DATE EXT	DATE_ANA	CONC.	UNITS	ERR	DL	QIL
Percent Moisture	ASTM	NA	12/19/88	6.57	PERCENT	-		1.000
Total Petroleum Hydrocarbons	EPA 418.1	NA	11/09/88	ND	UG/KG		214.06	1.000

ENGINEERING SCIENCE 133-07

C:\R-039.087

CUSTOMER ID: SC6-S85-SS1-0-5

metaTRACE LAB ID: AA21458

SAMPLE DATE: 11/03/88

MATRIX: SOIL

CATEGORY: VOLATILES

METHOD: EPA 8240

UNITS: UG/KG

Page No. 1

05/15/89

PARAMETER	DATE_EXT	DATE_AMA	CONC.	ERR	DL	DIL
Chloroethane	NA	11/08/88	ND		10.84	1.000
Bromoethane	NA	11/08/88	ND		10.84	1.000
Vinyl Chloride	NA	11/08/88	ND		10.84	1.000
Chloroethane	NA	11/08/88	ND		10.84	1.000
Methylene Chloride	NA	11/08/88	53.00	0	5.42	1.000
Acetone	NA	11/08/88	34.00		10.84	1.000
Carbon Disulfide	NA	11/08/88	ND		5.42	1.000
1,1-Dichloroethane	NA	11/08/88	ND		5.42	1.000
1,1-Dichloroethane	NA	11/08/88	ND		5.42	1.000
1,2-Dichloroethane (total)	NA	11/08/88	ND		5.42	1.000
Chloroform	NA	11/08/88	ND		5.42	1.000
1,2-Dichloroethane	NA	11/08/88	ND		5.42	1.000
2-Butanone	NA	11/08/88	ND		10.84	1.000
1,1,1-Trichloroethane	NA	11/08/88	ND		5.42	1.000
Carbon Tetrachloride	NA	11/08/88	ND		5.42	1.000
Vinyl Acetate	NA	11/08/88	ND		10.84	1.000
Bromodichloromethane	NA	11/08/88	ND		5.42	1.000
1,1,2,2-Tetrachloroethane	NA	11/08/88	ND		5.42	1.000
1,2-Dichloropropane	NA	11/08/88	ND		5.42	1.000
cis-1,3-Dichloropropane	NA	11/08/88	ND		5.42	1.000
Trichloroethane	NA	11/08/88	ND		5.42	1.000
Dibromochloromethane	NA	11/08/88	ND		5.42	1.000
1,1,2-Trichloroethane	NA	11/08/88	ND		5.42	1.000
Benzene	NA	11/08/88	ND		5.42	1.000
trans-1,3-Dichloropropane	NA	11/08/88	ND		5.42	1.000
Bromoform	NA	11/08/88	ND		5.42	1.000
2-Pentanone	NA	11/08/88	ND		10.84	1.000
4-Methyl-2-pentanone	NA	11/08/88	ND		10.84	1.000
Tetrachloroethane	NA	11/08/88	ND		5.42	1.000
Toluene	NA	11/08/88	ND		5.42	1.000
Chlorobenzene	NA	11/08/88	ND		5.42	1.000
Ethyl Benzene	NA	11/08/88	ND		5.42	1.000
Styrene	NA	11/08/88	ND		5.42	1.000
Xylenes (Total)	NA	11/08/88	ND		5.42	1.000

ENGINEERING SCIENCE 135-07

C:\R-QSC.DBF

CUSTOMER ID: BC6-S85-S52-S-10

etaTRACE LAB ID: AA21439

SAMPLE DATE: 11/03/88

MATRIX: SOIL

CATEGORY: VOLATILES

METHOD: EPA 8240

UNITS: UG/KG

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05/15/89

PARAMETER	DATE_EXT	DATE_AMA	CONC.	ERR	DL	DIL
Chloromethane	NA	11/08/88	ND		10.64	1.000
Bromomethane	NA	11/08/88	ND		10.64	1.000
Vinyl Chloride	NA	11/08/88	ND		10.64	1.000
Chloroethane	NA	11/08/88	ND		10.64	1.000
Methylene Chloride	NA	11/08/88	20.60	0	5.32	1.000
Acetone	NA	11/08/88	ND		10.64	1.000
Carbon Disulfide	NA	11/08/88	ND		5.32	1.000
1,1-Dichloroethane	NA	11/08/88	ND		5.32	1.000
1,1-Dichloroethane	NA	11/08/88	ND		5.32	1.000
1,2-Dichloroethane (total)	NA	11/08/88	ND		5.32	1.000
Chloroform	NA	11/08/88	ND		5.32	1.000
1,2-Dichloroethane	NA	11/08/88	ND		5.32	1.000
2-Butanone	NA	11/08/88	ND		10.64	1.000
1,1,1-Trichloroethane	NA	11/08/88	ND		5.32	1.000
Carbon Tetrachloride	NA	11/08/88	ND		5.32	1.000
Vinyl Acetate	NA	11/08/88	ND		10.64	1.000
Bromodichloromethane	NA	11/08/88	ND		5.32	1.000
1,1,2,2-Tetrachloroethane	NA	11/08/88	ND		5.32	1.000
1,2-Dichloropropane	NA	11/08/88	ND		5.32	1.000
cis-1,3-Dichloropropane	NA	11/08/88	ND		5.32	1.000
Trichloroethane	NA	11/08/88	ND		5.32	1.000
Dibromochloromethane	NA	11/08/88	ND		5.32	1.000
1,1,2-Trichloroethane	NA	11/08/88	ND		5.32	1.000
Benzene	NA	11/08/88	ND		5.32	1.000
trans-1,3-Dichloropropane	NA	11/08/88	ND		5.32	1.000
Bromoform	NA	11/08/88	ND		5.32	1.000
2-Hexanone	NA	11/08/88	ND		10.64	1.000
4-Methyl-2-pentanone	NA	11/08/88	ND		10.64	1.000
Tetrachloroethane	NA	11/08/88	ND		5.32	1.000
Toluene	NA	11/08/88	ND		5.32	1.000
Chlorobenzene	NA	11/08/88	ND		5.32	1.000
Ethyl Benzene	NA	11/08/88	ND		5.32	1.000
Styrene	NA	11/08/88	ND		5.32	1.000
Xylenes (Total)	NA	11/08/88	ND		5.32	1.000

newTRACE, Inc.

13715 Rider Trail North

• Earth City, MO 63045

• (314) 298-8568

ENGINEERING SCIENCE 135-07

C:\R-038.D07

CUSTOMER ID: SC6-885-881-0-5

newTRACE LAB ID: AA21458

SAMPLE DATE: 11/03/88

MATRIX: SOIL

CATEGORY: MISC.

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05/15/99

PARAMETER	METHOD	DATE EXT	DATE_AMA	CONC.	UNITS	ERR	DL	DIL
Percent Moisture	ASTM	NA	12/19/88	7.75	PERCENT	-	-	1.000

metTRACE, Inc.

13715 Rider Trail North

• Earth City MO 63045

• 314.299.8568

ENGINEERING SCIENCE 135-07

C:\B-03C.DBF

CUSTOMER ID: SCA-889-882-5-10

metTRACE LAB ID: AA21639

SAMPLE DATE: 11/03/08

MATRIX: SOIL

CATEGORY: MISC.

Page No. 1
05/15/09

PARAMETER	METHOD	DATE EXT	DATE_ANA	CONC.	UNITS	ERR	DL	QTL
Percent Moisture	ASTM	MP	12/19/08	6.05	PERCENT	-		1.000

metatrace, inc.

13715 Rider Trail North

Earth City, MO 63045

314) 258-8565

ENGINEERING SCIENCE 135-07

CIR-03C.08F

CUSTOMER ID: SC6-585-552-5-10

METATRACE LAB ID: AA21476

SAMPLE DATE: 11/03/88

MATRIX: SOIL

CATEGORY: MISC.

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05/15/89

PARAMETER	METHOD	DATE EXT	DATE_ASA	CONC.	UNITS	ERR	DL	OIL
Percent Moisture	ASTM	NA	12/19/88	6.64	PERCT	-	-	1.000
Total Petroleum Hydrocarbons	EPA 418.1	NA	11/09/88	ND	UG/LCS	214.22	214.22	1.000

ENGINEERING SCIENCE 135-07

C:\R-038.D47

CUSTOMER ID: SC6-S84-S81-0-5

metTRACE LAB ID: AA21457

SAMPLE DATE: 11/03/08

MATRIX: SOIL

CATEGORY: VOLATILES

METHOD: EPA 8240

UNITS: UG/KG

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05/15/09

PARAMETER	DATE_EXT	DATE_ANA	CONC.	ERR	DL	DIL
Chloromethane	NA	11/03/08	ND		10.56	1.000
Bromomethane	NA	11/03/08	ND		10.56	1.000
Vinyl Chloride	NA	11/03/08	ND		10.56	1.000
Chloroethane	NA	11/03/08	ND		10.56	1.000
Methylene Chloride	NA	11/03/08	ND		5.28	1.000
Acetone	NA	11/03/08	ND		10.56	1.000
Carbon Disulfide	NA	11/03/08	ND		5.28	1.000
1,1-Dichloroethane	NA	11/03/08	ND		5.28	1.000
1,1-Dichloroethane	NA	11/03/08	ND		5.28	1.000
1,2-Dichloroethane (total)	NA	11/03/08	ND		5.28	1.000
Chloroform	NA	11/03/08	ND		5.28	1.000
1,2-Dichloroethane	NA	11/03/08	ND		5.28	1.000
2-Butanone	NA	11/03/08	ND		10.56	1.000
1,1,1-Trichloroethane	NA	11/03/08	ND		5.28	1.000
Carbon Tetrachloride	NA	11/03/08	ND		5.28	1.000
Vinyl Acetate	NA	11/03/08	ND		10.56	1.000
Bromodichloromethane	NA	11/03/08	ND		5.28	1.000
1,1,2,2-Tetrachloroethane	NA	11/03/08	ND		5.28	1.000
1,2-Dichloropropane	NA	11/03/08	ND		5.28	1.000
cis-1,3-Dichloropropene	NA	11/03/08	ND		5.28	1.000
Trichloroethane	NA	11/03/08	ND		5.28	1.000
Dibromochloromethane	NA	11/03/08	ND		5.28	1.000
1,1,2-Trichloroethane	NA	11/03/08	ND		5.28	1.000
Benzene	NA	11/03/08	ND		5.28	1.000
trans-1,3-Dichloropropene	NA	11/03/08	ND		5.28	1.000
Bromoform	NA	11/03/08	ND		5.28	1.000
2-Pentanone	NA	11/03/08	ND		10.56	1.000
4-Methyl-2-pentanone	NA	11/03/08	ND		10.56	1.000
Tetrachloroethane	NA	11/03/08	ND		5.28	1.000
Toluene	NA	11/03/08	ND		5.28	1.000
Chlorobenzene	NA	11/03/08	ND		5.28	1.000
Ethyl Benzene	NA	11/03/08	ND		5.28	1.000
Styrene	NA	11/03/08	ND		5.28	1.000
Xylenes (Total)	NA	11/03/08	ND		5.28	1.000

NOTRACE, Inc.

3715 Rider Trail North

Earth City, MO 63045

314) 298-8566

ENGINEERING SCIENCE 133-07

C:R-038.089

CUSTOMER ID: BCS-886-881-0-9

NOTRACE LAB ID: AA21637

SAMPLE DATE: 11/03/88

MATRIX: SOIL

CATEGORY: HISC.

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05/15/89

PARAMETER	METHOD	DATE EXT	DATE_ANA	CONC.	UNITS	ERR	DL	DL
Percent Moisture	ASTM	NA	12/19/88	5.33	PERCENT	-	-	1.000

metatrace, inc.

13715 Rider Trail North

Earth City, MO 63048

314) 298-8568

ENGINEERING SCIENCE 135-07

C:\R-03C.DBF

CUSTOMER ID: BC6-S86-SS1-0-9

metatrace LAB ID: AA21476

SAMPLE DATE: 11/03/08

MATRIX: SOIL

CATEGORY: MISC.

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11/15/09

PARAMETER	METHOD	DATE EXT	DATE_ANA	CONC.	UNITS	ERR	DL	DIL
Percent Moisture	ASTM	NA	12/19/08	7.53	PERCT	-	-	1.000
Total Petroleum Hydrocarbons	EPA 418.1	NA	11/09/08	ND	UG/KG	-	216.29	1.000

newTRACE, Inc.

Earth City MO 63045

CIR-03C.DEP

CUSTOMER ID: 8CA-583-531-0-5

LAB ID: AA21475

SAMPLE

MATRIX: SOIL

CATEGORY: MISC.

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09/15/89

PARAMETER	METHOD	DATE EXT	DATE_AMA	CONC.	UNITS	ERR	DL	DIL
Percent Moisture	ASTM	NA	12/19/88	6.78	PERCT	-	-	1.000
Total Petroleum Hydrocarbons	EPA 418.1	NA	11/09/88	329.75	UG/KG	-	214.55	1.000

etATRACE, Inc.

13715 Rider Trail North

Earth City, MO 63045

314-998-2110

Volatile Organic Analysis (VOA)
Tentatively Identified Compounds

etATRACE, Inc.

Client Id. BC1,SB1,SS1,0-5'

Project No. 135-07

Sample Id. AA21319

File Id. C5803

Units UG/KG

	CAS NUMBER	COMPOUND NAME	RT	CONC
1.		UNKNOWN	1.63	19J
2.		UNKNOWN	1.83	28J
3.		UNKNOWN	3.35	8J
4.		UNKNOWN	4.43	8J
5.	123911	1,4-DIOXANE	13.72	24J
6.				
7.				
8.				
9.				
10.				

Concentrations are estimated based
upon a Response Factor of 1

metaTRACE, Inc.

13715 Rider Trail North

Earth City, MO 63046

(314) 298-8566

**Volatile Organic Analysis (VOA)
Tentatively Identified Compounds**

metaTRACE, Inc.

Client Id. BC1,SB1,SS2,10-15'

Project No. 135-07

Sample Id. AA21320

File Id. C58C4

Units UG/KG

	CAS NUMBER	COMPOUND NAME	RT	CCNC
1.		NO COMPOUNDS FOUND		
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				

**Concentrations are estimated based
upon a Response Factor of 1**

ataTRACE, Inc.

13715 Rider Trail North

Earth City, MO 63045

(314) 298-8566

**Volatile Organic Analysis (VOA)
Tentatively Identified Compounds**

ataTRACE, Inc.

Client Id. BC1,SB2,SS1,0-5'

Project No. 135-07

Sample Id. AA21321

File Id. C5805

Units UG/KG

	CAS NUMBER	COMPOUND NAME	RT	CONC
1.		NO COMPOUNDS FOUND		
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				

**Concentrations are estimated based
upon a Response Factor of 1**

metaTRACE, Inc.

13715 Rider Trail North

Earth City, MO 63045

(314) 298-8566

**Volatile Organic Analysis (VOA)
Tentatively Identified Compounds**

metaTRACE, Inc.

Client Id. BC1,SB2,SS2,5-10'

Project No. 135-07

Sample Id. AA21322

File Id. J0259

Units UG/KG

	CAS NUMBER	COMPOUND NAME	RT	CONC
1.		NO COMPOUNDS FOUND		
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				

Concentrations are estimated based
upon a Response Factor of 1

metaTRACE, Inc.

13715 Rider Trail North

Earth City, MO 63045

(314) 298-8566

**Volatile Organic Analysis (VOA)
Tentatively Identified Compounds**

metaTRACE, Inc.

Project No. 135-07

Client Id. BC1,SB3,SS1,0-5'

Sample Id. AA21324

File Id. C5808

Units UG/KG

	CAS NUMBER	COMPOUND NAME	RT	CONC
1.		UNKNOWN	1.54	12J
2.		UNKNOWN	1.8	7J
3.		UNKNOWN	2.03	18J
4.		UNKNOWN	2.94	11J
5.		UNKNOWN	3.17	15J
6.		UNKNOWN	3.39	9J
7.		UNKNOWN	3.82	8J
8.		UNKNOWN	3.98	10J
9.		UNKNOWN	4.37	10J
10.		UNKNOWN	5.02	8J

**Concentrations are estimated based
upon a Response Factor of 1**

metaTRACE, Inc.

13715 Rider Trail North

Earth City, MO 63045

(314) 298-8500

**Volatile Organic Analysis (VOA)
Tentatively Identified Compounds**

metaTRACE, Inc.

Client Id. BC1,SB1,SS2,10-15'

Project No. 135-07

Sample Id. AA21325

File Id. C5809

Units UG/KG

	CAS NUMBER	COMPOUND NAME	RT	CONC
1.		NO COMPOUNDS FOUND		
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				

**Concentrations are estimated based
upon a Response Factor of 1**

metaTRACE, Inc.

13715 Rider Trail North

Earth City, MO 63045

(314) 298-8566

Volatile Organic Analysis (VOA)
Tentatively Identified Compounds

metaTRACE, Inc.

Project No. 135-07

Client Id. BC1,SB4,SS1,0-5'

Sample Id. AA21327

File Id. J0262

Units UG/KG

	CAS NUMBER	COMPOUND NAME	RT	CONC
1.		UNKNOWN	1.14	50J
2.	110827	CYCLOHEXANE	14.67	1J
3.	96377	CYCLOPENTANE	15.37	7J
4.	13475826	HEPTANE, 2,2,4,6,6-PENTAMETHYL	23.6	15J
5.		UNKNOWN	37.91	5J
6.		UNKNOWN	39.27	8J
7.				
8.				
9.				
10.				

Concentrations are estimated based
upon a Response Factor of 1

metATRACE, Inc.

13715 Rider Trail North

Earth City, MO 63045

3141294-8556

Volatile Organic Analysis (VOA)
Tentatively Identified Compounds

metATRACE, Inc.

Client Id. BC1,SB5,SS1,0-5'

Project No. 135-07

Sample Id. AA21328

File Id. J0268

Units UG/KG

	CAS NUMBER	COMPOUND NAME	RT	CONC
1.	96377	CYCLOPENTANE, METHYL	15.35	14J
2.	107835	PENTANE, 2-METHYL	17.72	10J
3.		UNKNOWN	22.37	8J
4.	10475826	HEPTANE, 2,2,5,6,6-PENTAMETHYL	23.58	54J
5.	3073663	CYCLOHEXANE, 1,1,3-TRIMETHYL	26.84	8J
6.	3522949	HEXANE, 2,2,5-TRIMETHYL	28.08	12J
7.		UNKNOWN	33.86	11J
8.				
9.				
10.				

Concentrations are estimated based
upon a Response Factor of 1

metaTRACE, Inc.

13715 Rider Trail North

Earth City, MO 63045

(314) 298-8566

Volatile Organic Analysis (VOA)
Tentatively Identified Compounds

metaTRACE, Inc.

Project No. 135-07

Client Id. BC1,SB5,SS2,5-10'

Sample Id. AA21329

File Id. J0264

Units UG/KG

	CAS NUMBER	COMPOUND NAME	RT	CONC
1.		UNKNOWN	1.18	50J
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				

Concentrations are estimated based
upon a Response Factor of 1

ATRACE, INC.

13715 Rider Trail North

Earth City, MO 63045

(314) 253-8500

Volatile Organic Analysis (VOA)
Tentatively Identified Compounds

metATRACE, Inc.

Client Id. BC1,SB6,SJ1,0-5'

Project No. 135-07

Sample Id. AA21331

File Id. J0287

Units UG/KG

	CAS NUMBER	COMPOUND NAME	RT	CONC
1.	540841	PENTANE,2,2,4-TRIMETHYL	23.57	263J
2.	565753	PENTANE,2,3,4-TRIMETHYL	24.31	62J
3.	584941	HEXANE,2,3-DIMETHYL	25.63	38J
4.		UNKNOWN	26.79	47J
5.	3522949	HEXANE,2,2,5-TRIMETHYL	28	244J
6.	1069530	HEXANE,2,3,5-TRIMETHYL	28.54	72J
7.	0	1,1,2,3-TETRAMETHYLCYCLOHEXANE	33.86	54J
8.	61143	BENZENE,1-ETHYL-2-METHYL	37.83	100J
9.	98828	BENZENE,(1-METHYLETHYL)	39.27	103J
10.				

Concentrations are estimated based
upon a Response Factor of 1

metatRACE, Inc.

13715 Ride

North

Earth City, MO 63045

(314) 298-8568

Volatile Organic Analysis (VOA)
Tentatively Identified Compounds

metatRACE, Inc.

Client Id. BC1,SB6,SS2,5-10'

Project No. 135-07

Sample Id. AA21332

File Id. J0238

Units UG/KG

	CAS NUMBER	COMPOUND NAME	RT	CONC
1.		NO COMPOUNDS FOUND		
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				

Concentrations are estimated based
upon a Response Factor of 1

metaTRACE, Inc.

13715 Elder Trail North

Earth City, MO 63045

314) 278-8500

Volatile Organic Analysis (VOA)
Tentatively Identified Compounds

metaTRACE, Inc.

Client Id. BC1,SB6,SS3,10-15'

Project No. 133-07

Sample Id. AA21333

File Id. J0315

Units ug/kg

	CAS NUMBER	COMPOUND NAME	RT	CONC
1.	7058017	CYCLOHEXANE (1-METHYLPROPYL)	24.93	43J
2.	61142209	CYCLOHEXANE (4-METHYLPENTYL)	25.63	19J
3.		UNKNOWN	26.01	17J
4.		UNKNOWN	26.29	20J
5.		UNKNOWN	26.56	86J
6.		UNKNOWN	30.91	30J
7.	6975980	DECENE, 2-METHYL	31.38	39J
8.	13151296	1-DECENE, 4-METHYL	33.32	88J
9.	611143	BENZENE, 1-ETHYL-2-METHYL	36.97	310J
10.	98828	BENZENE, (1-METHYLETHYL)	37.09	150J

Concentrations are estimated based
upon a Response Factor of 1

metaTRACE, Inc.

13715 Rider Trail North

Earth City, MO 63045

3141 254-8556

**Volatile Organic Analysis (VOA)
Tentatively Identified Compounds**

metaTRACE, Inc.

Client Id. BC1,SB7,SS1,0-5'

Project No. 135-07

Sample Id. AA21335

File Id. J0306

Units ug/kg

	CAS NUMBER	COMPOUND NAME	RT	CONC
1.		NO COMPOUND FOUND		
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				

**Concentrations are estimated based
upon a Response Factor of 1**

metaTRACE, Inc.

13715 Rider Trail North

Earth City MO 63043

3141 228-4554

**Volatile Organic Analysis (VOA)
Tentatively Identified Compounds**

metaTRACE, Inc.

Client Id. BC1,SB7,SS2,10-15'

Project No. 135-07

Sample Id. AA21336

File Id. J0307

Units ug/kg

	CAS NUMBER	COMPOUND NAME	RT	CONC
1.		NO COMPOUNDS FOUND		
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				

**Concentrations are estimated based
upon a Response Factor of 1**

metaTRACE, Inc.

13715 Rider Trail North

Earth City, MO 63045

314-278-4000

**Volatile Organic Analysis (VOA)
Tentatively Identified Compounds**

metaTRACE, Inc.

Client Id. BC1,SB8,SS1,0-5'

Project No. 135-07

Sample Id. AA21337

File Id. J0289

Units UG/KG

	CAS NUMBER	COMPOUND NAME	RT	CONC
1.	590738	HEXANE, 2,2-DIMETHYL	23.59	5J
2.		UNKNOWN	24.95	13J
3.		UNKNOWN	26.08	23J
4.		UNKNOWN	26.23	13J
5.		UNKNOWN	26.85	84J
6.		UNKNOWN	28.06	9J
7.		UNKNOWN	33.73	9J
8.		UNKNOWN	36.26	232J
9.				
10.				

Concentrations are estimated based
upon a Response Factor of 1

metaTRACE, inc.

13715 Rider Trail North

Earth City, MO 63045

(314) 298-8566

Volatile Organic Analysis (VOA)
Tentatively Identified Compounds

metaTRACE, Inc.

Client Id. BC1,SB8,SS2,10-15'

Project No. 135-07

Sample Id. AA21338

File Id. J0308

Units ug/kg

	CAS NUMBER	COMPOUND NAME	RT	CONC
1.		NO COMPOUNDS FOUND		
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				

Concentrations are estimated based
upon a Response Factor of 1

metaTRACE, Inc.

13715 Rider Trail North

Earth City, MO 63045

314) 298-8566

Volatile Organic Analysis (VOA)
Tentatively Identified Compounds

metaTRACE, Inc.

Client Id. BC1,SB9,SS1,0-5'

Project No. 135-07

Sample Id. AA21339

File Id. J0309

Units ug/kg

	CAS NUMBER	COMPOUND NAME	RT	CONC
1.		NO COMPOUNDS FOUND		
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				

Concentrations are estimated based
upon a Response Factor of 1

metaTRACE, Inc.

13715 Rider Trail North

Earth City, MO 63045

(314) 298-8566

**Volatile Organic Analysis (VOA)
Tentatively Identified Compounds**

metaTRACE, Inc.

Project No. 135-07

Client Id. BC1,SB9,SS2,5-10'

Sample Id. AA21340

File Id. J0313

Units ug/kg

	CAS NUMBER	COMPOUND NAME	RT	CONC
1.		UNKNOWN	22	30J
2.		UNKNOWN	24.88	41J
3.		UNKNOWN	25.61	18J
4.	1071814	HEXANE,2,2,5,5-TETRAMETHYL	27.63	86J
5.		UNKNOWN	29.3	23J
6.		UNKNOWN	30.16	12J
7.	526738	BENZENE,1,2,3-TRIMETHYL	31.32	64J
8.	622968	BENZENE,1-ETHYL-4-METHYL	37	280J
9.	620144	BENZENE,1-ETHYL-3-METHYL	37.11	170J
10.		UNKNOWN	38.79	26J

**Concentrations are estimated based
upon a Response Factor of 1**

metaTRACE, Inc.

13715 Rider Trail North

Earth City, MO 63045

(314) 238-8566

**Volatile Organic Analysis (VOA)
Tentatively Identified Compounds****metaTRACE, Inc.****Client Id. BC1,SB10,SS1,0-5'****Project No. 135-07****Sample Id. AA21341****File Id. J0295****Units UG/KG**

	CAS NUMBER	COMPOUND NAME	RT	CONC
1.		UNKNOWN	22.33	63J
2.	20309777	CYCLOPENTANE,1,1,3,4-TETRAMETHYL	26.8	698J
3.	4926903	CYCLOHEXANE,1-ETHYL-1-METHYL	28.39	34J
4.	11659	OCTANE	29.21	61J
5.		UNKNOWN	33.79	73J
6.	4032933	HEPTANE,2,3,6-TRIMETHYL	34.53	73J
7.	1072055	HEPTANE,2,6-DIMETHYL	35.66	79J
8.	98828	BENZENE,(1-METHYLETHYL)	37.41	82J
9.	111842	NONANE	0	0J
10.				

**Concentrations are estimated based
upon a Response Factor of 1**

metaTRACE, Inc.

13715 Rider Trail North

Earth City, MO 63045

(314) 298-8556

**Volatile Organic Analysis (VOA)
Tentatively Identified Compounds**

metaTRACE, Inc.

Client Id. BC1,SB11,SS1,0-5'

Project No. 135-07

Sample Id. AA21442

File Id. C5814

Units ug/kg

	CAS NUMBER	COMPOUND NAME	RT	CONC
1.		UNKNOWN	30.24	11J
2.		UNKNOWN	36.37	6J
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				

**Concentrations are estimated based
upon a Response Factor of 1**

metaTRACE, Inc.

13715 Rider Trail North

Earth City, MO 63045

3141 298-8566

Volatile Organic Analysis (VOA)
Tentatively Identified Compounds

metaTRACE, Inc.

Client Id. BC1,SB11,SS2-10-15'

Project No. 135-07

Sample Id. AA21443

File Id. C5815

Units ug/kg

	CAS NUMBER	COMPOUND NAME	RT	CONC
1.		NO COMPOUNDS FOUND		
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				

Concentrations are estimated based
upon a Response Factor of 1

etaTRACE, Inc.

13715 Rider Trail North

Earth City, MO 63045

3141 298-4566

**Volatile Organic Analysis (VOA)
Tentatively Identified Compounds**

etaTRACE, Inc.

Client Id. BC1,SB12,SS2,10-15'

Project No. 135-07

Sample Id. AA21445

File Id. C3817

Units ug/kg

	CAS NUMBER	COMPOUND NAME	RT	CONC
1.		NO COMPOUNDS FOUND		
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				

**Concentrations are estimated based
upon a Response Factor of 1**

metaTRACE, Inc.

13715 Rider Trail North

Earth City, MO 63045

3141 208-4566

Volatile Organic Analysis (VOA)
Tentatively Identified Compounds

metaTRACE, Inc.

Client Id. BC1,S213,SS1,0-5'

Project No. 135-07

Sample Id. AA21446

File Id. C5818

Units ug/kg

	CAS NUMBER	COMPOUND NAME	RT	CONC
1.		NO COMPOUNDS FOUND		
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				

Concentrations are estimated based
upon a Response Factor of 1

TRACE, Inc.

13715 Rider Trail North

Earth City, MO 63046

314) 258-3568

**Volatile Organic Analysis (VOA)
Tentatively Identified Compounds**

metaTRACE, Inc.

Client Id. BC1,SB13,SS2,10-15'

Project No. 135-07

Sample Id. AA21447

File Id. C3819

Units ug/kg

	CAS NUMBER	COMPOUND NAME	RT	CONC
1.		UNKNOWN	26.71	6J
2.		UNKNOWN	27.43	10J
3.		UNKNOWN	27.59	7J
4.		UNKNOWN	27.82	5J
5.		UNKNOWN	29.21	10J
6.		UNKNOWN	29.6	5J
7.				
8.				
9.				
10.				

**Concentrations are estimated based
upon a Response Factor of 1**

metaTRACE, Inc.

13715 Rider Trail North

• Earth City, MO 63045

• 3141 298-8566

**Volatile Organic Analysis (VOA)
Tentatively Identified Compounds**

metaTRACE, Inc.

Project No. 135-07

Client Id. BC1,SB14,SS2,5-10'

Sample Id. AA21323

File Id. J0260

Units UG/IG

	CAS NUMBER	COMPOUND NAME	RT	CONC
1.		NO COMPOUNDS FOUND		
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				

**Concentrations are estimated based
upon a Response Factor of 1**

MetaTRACE, Inc.

13715 Rider Trail North

Earth City, MO 63045

314) 298-8566

Volatile Organic Analysis (VOA)
Tentatively Identified Compounds

MetaTRACE, Inc.

Project No. 135-07

Client Id. BC1,SB15,SS1,0-5'

Sample Id. AA21330

File Id. J0265

Units UG/KG

	CAS NUMBER	COMPOUND NAME	RT	CONC
1.		UNKNOWN	1.16	50J
2.		UNKNOWN	23.59	140J
3.	3073663	CYCLOHEXANE, 1,1,3-TRIMETHYL	26.81	43J
4.		UNKNOWN	28.01	96J
5.		UNKNOWN	29.29	43J
6.		UNKNOWN	33.88	64J
7.		UNKNOWN	34.69	35J
8.	622968	BENZENE, 1-ETHYL-4-METHYL	37.84	120J
9.	493027	NAPHTHALENE, DECAHYDRO, TRANS-	38.93	37J
10.		UNKNOWN	39.36	94J

Concentrations are estimated based
upon a Response Factor of 1

metaTRACE, Inc.

13715 Rider Trail North

Earth City MO 63045

3141 298-4566

Volatile Organic Analysis (VOA)
Tentatively Identified Compounds

metaTRACE, Inc.

Client Id. BC3,SB1,SS1,5-1

Project No. 135-07

Sample Id. AA21536

File Id. J0337

Units UG/KG

	CAS NUMBER	COMPOUND NAME	RT	CONC
1.	124185	DECANE	25.01	7J
2.		UNKNOWN	26.02	10J
3.	1069530	HEXANE,2,3,5-TRIMETHYL	26.18	88J
4.	124185	DECANE	26.37	10J
5.		UNKNOWN	36.79	10J
6.	111842	NONANE	39.67	10J
7.				
8.				
9.				
10.				

Concentrations are estimated based
upon a Response Factor of 1

metaTRACE, Inc.

13715 Rider Trail North

Earth City, MO 63045

3141298-8556

Volatile Organic Analysis (VOA)
Tentatively Identified Compounds

metaTRACE, Inc.

Project No. 135-07

Client Id. BC2,SD2,S1,ES

Sample Id. AA23123

File Id. C6388

Units ug/kg

	CAS NUMBER	COMPOUND NAME	RT	CONC
1.		NO COMPOUNDS FOUND		
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				

Concentrations are estimated based
upon a Response Factor of 1

metaTRACE, Inc.

13715 Rider Trail North

Earth City, MO 63045

3141 238-6566

Volatile Organic Analysis (VOA)
Tentatively Identified Compounds

metaTRACE, Inc.

Client Id. BC2,SD3,S1,ES

Project No. 135-07

Sample Id. AA23124

File Id. C6389

Units ug/kg

	CAS NUMBER	COMPOUND NAME	RT	CONC
1.		UNKNOWN	22.78	12J
2.		UNKNOWN	26.68	13J
3.		UNKNOWN	26.91	10J
4.		UNKNOWN	27.49	10J
5.		UNKNOWN	29.15	14J
6.		UNKNOWN	31.32	18J
7.		UNKNOWN	39.18	11J
8.	111842	NONANE	39.28	18J
9.				
10.				

Concentrations are estimated based
upon a Response Factor of 1

metaTRACE, Inc.

13715 Rider Trail North

• Earth City, MO 63045

• 314) 298-8568

**Volatile Organic Analysis (VOA)
Tentatively Identified Compounds**

metaTRACE, Inc.

Client Id. BC2,SD4,S1,ES

Project No. 135-07

Sample Id. AA23126

File Id. C6391

Units ug/kg

	CAS NUMBER	COMPOUND NAME	RT	CONC
1.		NO COMPOUNDS FOUND		
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				

Concentrations are estimated based
upon a Response Factor of 1

metaTRACE, Inc.

13715 Rider Trail North

Earth City, MO 63045

314-298-8566

Volatiles Organic Analysis (VOA)
Tentatively Identified Compounds

metaTRACE, Inc.

Client Id. BC2,SD5,S1,ES

Project No. 135-07

Sample Id. AA23127

File Id. C6392

Units ug/kg

	CAS NUMBER	COMPOUND NAME	RT	CONC
1.		NO COMPOUNDS FOUND		
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				

Concentrations are estimated based
upon a Response Factor of 1

metaTRACE, Inc.

13715 Rider Trail North

Earth City MO 63045

3141298-8566

**Volatile Organic Analysis (VOA)
Tentatively Identified Compounds**

metaTRACE, Inc.

Client Id. BC2,SD6,S1,ES

Project No. 135-07

Sample Id. AA23123

File Id. C6393

Units ug/kg

	CAS NUMBER	COMPOUND NAME	RT	CONC
1.		NO COMPOUNDS FOUND		
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				

**Concentrations are estimated based
upon a Response Factor of 1**

MetaTRACE, Inc.

13715 Ridgely Trail North

Earth City, MO 63045

314123-8000

**Volatile Organic Analysis (VOA)
Tentatively Identified Compounds**

MetaTRACE, Inc.

Client Id. BC2,SD7,S1,ES

Project No. 135-07

Sample Id. AA23129

File Id. C6394

Units ug/kg

	CAS NUMBER	COMPOUND NAME	RT	CONC
1.		NO COMPOUNDS FOUND		
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				

**Concentrations are estimated based
upon a Response Factor of 1**

metaTRACE, Inc.

13715 Rider Trail North

Earth City, MO 63045

3141 298-8566

**Volatile Organic Analysis (VOA)
Tentatively Identified Compounds**

metaTRACE, Inc.

Client Id. BC2,SD16,S1,ES

Project No. 135-07

Sample Id. AA23125

File Id. C6390

Units ug/kg

	CAS NUMBER	COMPOUND NAME	RT	CONC
1.		NO COMPOUNDS FOUND		
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				

**Concentrations are estimated based
upon a Response Factor of 1**

Metatrace, Inc.

13715 River Trail North

Earth City, MO 63045

314-281-1100

Volatile Organic Analysis (VOC)
Tentatively Identified Compounds

Metatrace, Inc.

Client Id. DC3, SB1, SB2, 15-20'

Project No. 135-07

Sample Id. AA21537

File Id. J0333

Units ug/kg

	CAS NUMBER	COMPOUND NAME	RT	CONC
1.	124185	DECANE	26.23	260J
2.	124185	DECANE	26.47	350J
3.		UNKNOWN	29.23	11J
4.		UNKNOWN	31.41	52J
5.		UNKNOWN	35.87	25J
6.	111842	NONANE	39.53	14J
7.	111842	NONANE	39.64	11J
8.				
9.				
10.				

Concentrations are estimated based
upon a Response Factor of 1

metaTRACE, Inc.

13715 Rider Trail North

Earth City, MO 63045

3141 298-9566

**Volatile Organic Analysis (VOA)
Tentatively Identified Compounds**

metaTRACE, Inc.

Client Id. BC3,SB1,SS3,30-35'

Project No. 135-07

Sample Id. AA21538

File Id. J0339

Units ug/kg

	CAS NUMBER	COMPOUND NAME	RT	CONC
1.	13475826	HEPTANE,2,2,4,6,6-PENTAMETHYL	23.51	51J
2.		UNKNOWN	24.9	41J
3.	124185	DECANE	26.19	310J
4.		UNKNOWN	26.34	120J
5.	124185	DECANE	26.5	420J
6.	124185	DECANE	27.35	110J
7.		UNKNOWN	27.9	77J
8.		UNKNOWN	28.32	70J
9.		UNKNOWN	29.26	460J
10.		UNKNOWN	31.43	53J

**Concentrations are estimated based
upon a Response Factor of 1**

Metatrace, Inc.

13715 Blue Bell North

Earth City, MO 63045

314/221-1100

Volatile Organic Analysis (VOA)
Tentatively Identified Compounds

Metatrace, Inc.

Project No. 135-07

Client Id. BC3,SD2,SS1,C-3'

Sample Id. AA21539

File Id. J0340

Units ug/kg

	CAS NUMBER	COMPOUND NAME	RT	CONC
1.		UNKNOWN	1.77	38J
2.		UNKNOWN	16.51	15J
3.	565593	PENTANE, 2, 3-DIMETHYL	21.09	15J
4.	540841	PENTANE, 2, 2, 4-TRIMETHYL	23.54	50J
5.		UNKNOWN	24.86	19J
6.	1072055	HEPTANE, 2, 6-DIMETHYL	26.21	96J
7.		UNKNOWN	29.28	35J
8.		UNKNOWN	31.38	30J
9.		UNKNOWN	31.5	18J
10.		UNKNOWN	39.5	20J

Concentrations are estimated based
upon a Response Factor of 1

ataTRACE, Inc.

13715 Rider Trail North

Earth City, MO 63045

3141 298-8566

Volatiles Organic Analysis (VOA)
Tentatively Identified Compounds

ataTRACE, Inc.

Client Id. BC3,SB2,SS2,15-20'

Project No. 135-07

Sample Id. AA21540

File Id. J0341

Units ug/kg

	CAS NUMBER	COMPOUND NAME	RT	CONC
1.	565593	PENTANE,2,3-DIMETHYL	21.09	12J
2.	13475826	HEPTANE,2,2,4,6,6-PENTAMETHYL	23.53	47J
3.	18344371	HEPTADECANE,2,6,10,14-TETRAMETHYL	24.89	33J
4.		UNKNOWN	25.67	18J
5.	62108230	DECANE,2,5,6-TRIMETHYL	26.17	190J
6.		UNKNOWN	26.33	46J
7.		UNKNOWN	26.41	57J
8.	629594	TETRADECANE	26.56	170J
9.	1002433	UNDECANE,3-METHYL	28	19J
10.		UNKNOWN	29.28	38J

Concentrations are estimated based
upon a Response Factor of 1

metaTRACE, Inc.

13715 Rider Trail North

Earth City, MO 63045

314-241-1144

Volatile Organic Analysis (VOA)
Tentatively Identified Compounds

metaTRACE, Inc.

Project No. 135-07

Client Id. BC3, S33, SS1, 0-5'

Sample Id. AA21541

File Id. J0362

Units ug/kg

	CAS NUMBER	COMPOUND NAME	RT	CONC
1.		UNKNOWN	1.3	110J
2.	110543	HEXANE	19.34	19J
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				

Concentrations are estimated based
upon a Response Factor of 1

TRACE, Inc.

13715 Rider Trail North

Earth City, MO 63045

3141 238-8566

**Volatile Organic Analysis (VOA)
Tentatively Identified Compounds**

MetaTRACE, Inc.

Client Id. BC3,SB3,SS2,5-10'

Project No. 135-07

Sample Id. AA21542

File Id. J0381

Units ug/kg

	CAS NUMBER	COMPOUND NAME	RT	CONC
1.		NO COMPOUNDS FOUND		
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				

**Concentrations are estimated based
upon a Response Factor of 1**

metatrace, inc.

13715 River Trail North

Earth City MO 63045

314-234-4000

Volatile Organic Analysis (VOA)
Tentatively Identified Compounds

metatrace, Inc.

Client Id. BC3,SG3,SG3,30-35'

Project No. 135-07

Sample Id. AA21543

File Id. J0364

Units ug/kg

	CAS NUMBER	COMPOUND NAME	RT	CONC
1.	110543	HEXANE	19.32	9J
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				

Concentrations are estimated based
upon a Response Factor of 1

metatRACE, Inc.

13715 Rider Trail North

Earth City, MO 63045

314) 218-8576

Volatile Organic Analysis (VOA)
Tentatively Identified Compounds

metatRACE, Inc.

Client Id. BC3,SB4,SS1,0-5'

Project No. 135-07

Sample Id. AA21531

File Id. J0332

Units ug/kg

	CAS NUMBER	COMPOUND NAME	RT	CONC
1.		UNKNOWN	22.36	200J
2.	13475826	HEPTANE,2,2,4,6,6-PENTAMETHYL	23.56	590J
3.	6876239	CYCLOHEXANE 1,2-DIMETHYL-TRANS	26.12	110J
4.	3073663	CYCLOHEXANE,1,1,3-TRIMETHYL	26.82	530J
5.	7094260	CYCLOHEXANE,1,1,2-TRIMETHYL	27.64	110J
6.		UNKNOWN	29.07	120J
7.	0	1,1,2,3-TETRAMETHYL- -CYCLOHEXANE B	33.81	390J
8.		UNKNOWN	34.74	110J
9.		UNKNOWN	35.95	150J
10.		UNKNOWN	39.25	390J

Concentrations are estimated based
upon a Response Factor of 1

1st TRACZ, Inc.

1315 E. 1st St. North

St. Louis, MO 63105

Phone (314) 421-1111

Volatile Organic Analysis (VOC)
Tentatively Identified Compounds

1st TRACZ, Inc.

Client Id. BC3,SB4,SS3,DO-131

Project No. 135-07

Sample Id. AA21533DL

File Id. J0333

Units ug/kg

	CAS NUMBER	COMPOUND NAME	RT	CONC
1.	79298	BUTANE, 2,3-DIMETHYL	16.53	120,000J
2.	565593	PENTANE, 2,3-DIMETHYL	21.16	240,000J
3.	590738	HEXANE, 2,2-DIMETHYL	23.56	530,000J
4.		UNKNOWN	26.16	91,000J
5.		UNKNOWN	26.82	97,000J
6.	111659	OCTANE	29.35	430,000J
7.		UNKNOWN	33.97	95,000J
8.		UNKNOWN	34.71	96,000J
9.	611143	BENZENE, 1-ETHYL-2-METHYL	36.96	220,000J
10.	111842	NONANE	39.64	660,000J

Concentrations are estimated based
upon a Response Factor of 1

MetaTRACE, Inc.

13715 Rider Trail North

Earth City, MO 63045

314-298-8566

**Volatile Organic Analysis (VOA)
Tentatively Identified Compounds**

MetaTRACE, Inc.

Project No. 135-07

Client Id. BC3,SB5,SS1,0-5'

Sample Id. AA21594

File Id. J0386

Units ug/kg

	CAS NUMBER	COMPOUND NAME	RT	CONC
1.	62016288	OCTANE,2,2,6-TRIMETHYL	23.52	6J
2.		UNKNOWN	25.89	11J
3.		UNKNOWN	26.24	39J
4.		UNKNOWN	26.47	23J
5.	124185	DECANE	26.62	53J
6.		UNKNOWN	28.41	6J
7.		UNKNOWN	35.9	6J
8.		UNKNOWN	39.16	6J
9.				
10.				

Concentrations are estimated based
upon a Response Factor of 1

STRACE, Inc.

13715 River Trail North

Earth City MO 63045

314-885-5566

Volatile Organic Analysis (VOC)
Tentatively Identified Compounds

STRACE, Inc.
Project No. 135-07

Client Id. DCS, 335, 332, 20-25'

Sample Id. AA21595

File Id. J0387

Units ug/kg

	CAS NUMBER	COMPOUND NAME	RT	CONC
1.		UNKNOWN	22.36	25J
2.	62016142	OCTANE, 2, 5, 6-TRIMETHYL	23.6	150J
3.	6876239	CYCLOHEXANE, 1, 2-DIMETHYL-TRANS	26.12	19J
4.	3073663	CYCLOHEXANE, 1, 1, 3-TRIMETHYL	26.78	48J
5.	16747265	HEXANE, 2, 2, 4-TRIMETHYL	28.02	31J
6.	0	1, 1, 2, 3-TETRAMETHYLCYCLO- -HEXANE B	33.77	34J
7.		UNKNOWN	35.83	22J
8.		UNKNOWN	37.77	18J
9.		UNKNOWN	38.86	19J
10.		UNKNOWN	39.13	19J

Concentrations are estimated based
upon a Response Factor of 1

metaTRACE, Inc.

13715 Rider Trail North

• Earth City, MO 63045

• (314) 298-8568

**Volatile Organic Analysis (VOA)
Tentatively Identified Compounds**

metaTRACE, Inc.

Project No. 135-07

Client Id. BC3,SB6,SS3,30-35'

Sample Id. AA21534DL

File Id. J0335

Units ug/kg

	CAS NUMBER	COMPOUND NAME	RT	CONC
1.		UNKNOWN	16.59	300J
2.		UNKNOWN	21.17	370J
3.		UNKNOWN	22.34	230J
4.	540841	PENTANE, 2, 2, 4-TRIMETHYL	23.54	340J
5.	589435	HEXANE, 2, 4-DIMETHYL	29.22	820J
6.	2216344	OCTANE, 4-METHYL	33.88	340J
7.	926829	HEPTANE, 3, 5-DIMETHYL	34.62	330J
8.		UNKNOWN	35.82	910J
9.	62014	BENZENE, 1-ETHYL-3-METHYL	37.46	340J
10.	1072055	HEPTANE, 2, 6-DIMETHYL	38.97	840J

Concentrations are estimated based
upon a Response Factor of 1

metaTRACE, Inc.

13715 Ridgewood Trail N. W.

Earth City, MO 63045

(314) 233-7575

Volatile Organic Analysis (VOA)
Tentatively Identified Compounds

metaTRACE, Inc.

Client Id. BC5, S31, S31, 0-5'

Project No. 135-07

Sample Id. AA21449

File Id. C5821

Units ug/kg

	CAS NUMBER	COMPOUND NAME	RT	CONC
1.		NO COMPOUNDS FOUND		
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				

Concentrations are estimated based
upon a Response Factor of 1

MetaTRACE, Inc.

13715 Rider Trail North

Earth City, MO 63045

(314) 298-8566

**Volatile Organic Analysis (VOA)
Tentatively Identified Compounds**

MetaTRACE, Inc.

Project No. 135-07

Client Id. BC5,SB2,SS1,0-5'

Sample Id. AA21451

File Id. C5823

Units ug/kg

	CAS NUMBER	COMPOUND NAME	RT	CONC
1.		UNKNOWN	18.86	6J
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				

Concentrations are estimated based
upon a Response Factor of 1

metATRACE, Inc.

13715 River Trail North

Earth City, MO 63045

(314) 731-1100

Volatile Organic Analysis (VOA)
Tentatively Identified Compounds

metATRACE, Inc.

Client Id. BCS, S31, SS2, 5-10'

Project No. 135-07

Sample Id. AA21450

File Id. C5322

Units ug/kg

	CAS NUMBER	COMPOUND NAME	RT	CONC
1.		UNKNOWN	13.87	5J
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				

Concentrations are estimated based
upon a Response Factor of 1

metaTRACE, Inc.

13715 Rider Trail North

Earth City, MO 63045

3141 238-8566

**Volatile Organic Analysis (VOA)
Tentatively Identified Compounds**

metaTRACE, Inc.

Client Id. BC6,SB2,SS2,10-15'

Project No. 135-07

Sample Id. AA21452

File Id. C5824

Units ug/kg

	CAS NUMBER	COMPOUND NAME	RT	CONC
1.		NO COMPOUNDS FOUND		
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				

**Concentrations are estimated based
upon a Response factor of 1**

metaTRACE, Inc.

13715 Rider Trail North

Earth City, MO 63045

(314) 231-2516

Volatiles Organic Analysis (VOA)
Tentatively Identified Compounds

metaTRACE, Inc.

Client Id. DC5, SBJ, SS2, 5-10'

Project No. 135-07

Sample Id. AA21454

File Id. C5826

Units ug/kg

	CAS NUMBER	COMPOUND NAME	RT	CONC
1.		UNKNOWN	18.84	6J
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				

Concentrations are estimated based
upon a Response Factor of 1

metaTRACE, Inc.

13715 Rider Trail North

Earth City, MO 63045

(314) 298-8566

**Volatile Organic Analysis (VOA)
Tentatively Identified Compounds**

metaTRACE, Inc.

Client Id. BC6,SB1,SS1,0-5'

Project No. 135-07

Sample Id. AA21453

File Id. C5825

Units ug/kg

	CAS NUMBER	COMPOUND NAME	RT	CONC
1.		NO COMPOUNDS FOUND		
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				

Concentrations are estimated based
upon a Response Factor of 1

metaTRACE, Inc.

13715 Rider Trail North

Earth City, MO 63045

3141-233-4500

Volatile Organic Analysis (VOA)
Tentatively Identified Compounds

metaTRACE, Inc.

Client Id. BC5,SD4,SS1,0-5'

Project No. 135-07

Sample Id. AA21456

File Id. C5328

Units ug/kg

	CAS NUMBER	COMPOUND NAME	RT	CONC
1.		NO COMPOUNDS FOUND		
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				

Concentrations are estimated based
upon a Response Factor of 1

ataTRACE, Inc.

13715 Rider Trail North

Earth City, MO 63045

314) 298-8566

Volatile Organic Analysis (VOA)
Tentatively Identified Compounds

ataTRACE, Inc.

Client Id. BC6,SB5,SS2,5-10'

Project No. 135-07

Sample Id. AA21459

File Id. C5831

Units ug/kg

	CAS NUMBER	COMPOUND NAME	RT	CONC
1.		NO COMPOUNDS FOUND		
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				

Concentrations are estimated based
upon a Response Factor of 1

metATRACE, Inc.

13715 River Trail North

Earth City, MO 63045

3141211111

Volatile Organic Analysis (VOA)
Tentatively Identified Compounds

metATRACE, Inc.

Client Id. PCS,006,001,0-3'

Project No. 135-07

Sample Id. AA21437

File Id. C5329

Units ug/kg

	CAS NUMBER	COMPOUND NAME	RT	CCMC
1.		NO COMPOUNDS FOUND		
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				

Concentrations are estimated based
upon a Response Factor of 1

metaTRACE, Inc.

13715 Rider Trail North

Earth City MO 63045

3141 296 4106

Volatile Organic Analysis (VOA)
Tentatively Identified Compounds

metaTRACE, Inc.

Client Id. BC6,SB5,SS1,0-5'

Project No. 135-07

Sample Id. AA21458

File Id. C5830

Units ug/kg

	CAS NUMBER	COMPOUND NAME	RT	CONC
1.		NO COMPOUNDS FOUND		
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				

Concentrations are estimated based
upon a Response Factor of 1

APPENDIX I
LABORATORY DATA FOR
THE 1989 SAMPLING EVENT

James W. Andrews, Ph.D.
President

Janette Davis Long
Vice-President

**SAVANNAH LABORATORIES
AND ENVIRONMENTAL SERVICES, INC.**

5102 LaRoche Avenue (31404)
P. O. Box 13548 • Savannah, GA 31416-0548
(912) 354-7858

LOG NO: 89-7487

Received: 08 SEP 89



Mr. Jimmy Duncan
Engineering Science, Inc.
57 Executive Park, South, Suite 590
Atlanta, GA 30329

Project: AT103 Battle Creek ANEG, Michigan

REPORT OF ANALYTICAL RESULTS

Page 1

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY		
		Client		
7487-1	BC-HPLC 9-7-89			
7487-2	BC-DDI 9-7-89			
7487-3	BC-TAP 9-7-89			
PARAMETER		7487-1	7487-2	7487-3
Halogenated Volatiles (8010)				
Benzyl chloride, ug/l		1.00	1.00	1.00
bis(2-Chloroethoxy) methane, ug/l		1.00	1.00	1.00
bis(2-Chloro-1-methylethyl) ether, ug/l		1.00	1.00	1.00
Bromobenzene, ug/l		1.00	1.00	1.00
Bromodichloromethane, ug/l		1.00	1.00	1.00
Bromoform, ug/l		1.00	1.00	1.00
Bromomethane, ug/l		1.00	1.00	1.00
Carbon Tetrachloride, ug/l		1.00	1.00	1.00
Chloroacetaldehyde, ug/l		1.00	1.00	1.00
Chlorobenzene, ug/l		1.00	1.00	1.00
Chloroethane, ug/l		1.00	1.00	1.00
Chloroform, ug/l		1.00	1.00	1.00
1-Chlorohexane, ug/l		1.00	1.00	1.00
2-Chloroethylvinyl Ether, ug/l		1.00	1.00	1.00
Chloromethane, ug/l		1.00	1.00	1.00
Chloromethyl methyl ether, ug/l		1.00	1.00	1.00
Chlorotoluene, ug/l		1.00	1.00	1.00
Dibromochloromethane, ug/l		1.00	1.00	1.00
Dibromomethane, ug/l		1.00	1.00	1.00
1,2-Dichlorobenzene, ug/l		1.00	1.00	1.00

James W. Andrews, Ph.D.
President

Jarrett Davis Long
Vice-President

**SAVANNAH LABORATORIES
AND ENVIRONMENTAL SERVICES, INC.**

5102 LeBoeuf Avenue (21404)
P.O. Box 135-6 • Savannah, GA 31413-0509
(912) 354-7858

LOG ID: 89-7437

Received: 09.12.89

Mr. Jimmy Duncan
Engineering Science, Inc.
57 Executive Park, South, Suite 590
Atlanta, GA 30329

Project: AT103 Battle Creek ANEG, Michigan

REPORT OF ANALYTICAL RESULTS

Page 2

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
7487-1	EC-HPLC 9-7-89	Client
7487-2	EC-DDI 9-7-89	
7487-3	EC-TAP 9-7-89	

PARAMETER	7487-1	7487-2	7487-3
1,3-Dichlorobenzene, ug/l	1.00	1.00	1.00
1,4-Dichlorobenzene, ug/l	1.00	1.00	1.00
Dichlorodifluoromethane, ug/l	1.00	1.00	1.00
1,1-Dichloroethane, ug/l	1.00	1.00	1.00
1,2-Dichloroethane, ug/l	1.00	1.00	1.00
1,1-Dichloroethene, ug/l	1.00	1.00	1.00
1,2-Dichloroethylene, ug/l	1.00	1.00	1.00
Dichloromethane, ug/l	1.00	1.00	1.00
1,2-Dichloropropane, ug/l	1.00	1.00	1.00
1,3-Dichloropropylene, ug/l	1.00	1.00	1.00
1,1,2,2-Tetrachloroethane, ug/l	1.00	1.00	1.00
1,1,1,2-Tetrachloroethane, ug/l	1.00	1.00	1.00
Tetrachloroethylene, ug/l	1.00	1.00	1.00
1,1,1-Trichloroethane, ug/l	1.00	1.00	1.00
1,1,2-Trichloroethane, ug/l	1.00	1.00	1.00
Trichloroethene, ug/l	1.00	1.00	1.00
Trichlorofluoromethane, ug/l	1.00	1.00	1.00
Trichloropropane, ug/l	1.00	1.00	1.00
Vinyl Chloride, ug/l	1.00	1.00	1.00
Column	1% SP-1000	1% SP-1000	1% SP-1000
Date Collected	09.07.89	09.07.89	09.07.39
Date Analyzed	09.20.89	09.20.89	09.20.89
Dilution factor	1	1	1
Surrogate - Bromochloro- methane (70-130 % Rec)	88 %	73 %	112 %
QC Report ID	7487/7-20	7487/7-20	7487/7-20

James W. Andrews, Ph.D.
President

Janette Davis Long
Vice-President

**SAVANNAH LABORATORIES
AND ENVIRONMENTAL SERVICES, INC.**

5102 LaRoche Avenue (31404)
P. O. Box 13548 • Savannah, GA 31416-0548
(912) 354-7858



LOG NO: 89-7487

Received: 08 SEP 89

Mr. Jimmy Duncan
Engineering Science, Inc.
57 Executive Park, South, Suite 590
Atlanta, GA 30329

Project: AT103 Battle Creek ANEG, Michigan

REPORT OF ANALYTICAL RESULTS

Page 3

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY		
7487-1	BC-HPLC 9-7-89	Client		
7487-2	BC-DDI 9-7-89			
7487-3	BC-TAP 9-7-89			
PARAMETER		7487-1	7487-2	7487-3
Aromatic Volatiles (8020)				
Benzene, ug/l		1.00	1.00	1.00
Chlorobenzene, ug/l		1.00	1.00	1.00
1,2-Dichlorobenzene, ug/l		1.00	1.00	1.00
1,3-Dichlorobenzene, ug/l		1.00	1.00	1.00
1,4-Dichlorobenzene, ug/l		1.00	1.00	1.00
Ethylbenzene, ug/l		1.00	1.00	1.00
Toluene, ug/l		1.00	1.00	1.00
Xylenes, ug/l		1.00	1.00	1.00
Column	1% SP-1000	1% SP-1000	1% SP-1000	1% SP-1000
Date Collected	09.07.89	09.07.89	09.07.89	09.07.89
Date Analyzed	09.20.89	09.20.89	09.20.89	09.20.89
Dilution factor	1	1	1	1
Surrogate - Trifluoro- toluene (70-130 % Rec)	92 %	93 %	95 %	
QC Report ID	7487/7-20	7487/7-20	7487/7-20	
Lead (239.2/7420)				
Lead, mg/l	0.0050U	0.0050U	0.0050U	
Date Collected	09.07.89	09.07.89	09.07.89	
Date Analyzed	09.26.89	09.26.89	09.26.89	
Dilution factor	1	1	1	
QC Report ID	7487/7-20	7487/7-20	7487/7-20	

James W. Andrews, Ph.D.
President

Jeanette Davis Long
Vice President

SARINAH LABORATORIES
AND ENVIRONMENTAL SERVICES, INC.

P.O. Box 111 • Norcross, GA 30092-0111
(404) 354-7113

LOG NO: 19-7487

Report ID: 19-7487

Mr. Jimmy Duncan
Engineering Science, Inc.
57 Executive Park, South, Suite 590
Atlanta, GA 30329

Project: ATL03 Battle Creek ANEG, Michigan

REPORT OF ANALYTICAL RESULTS

Page 4

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES			SAMPLED BY
7487-1	EC-HPLC	9-7-89		Client
7487-2	EC-DDI	9-7-89		
7487-3	EC-TAP	9-7-89		
PARAMETER				
	7487-1	7487-2	7487-3	
Chromium (218.2/7191)				
Chromium, mg/l	0.010U	0.010U	0.010U	
Date Collected	09.07.89	09.07.89	09.07.89	
Date Analyzed	09.20.89	09.20.89	09.20.89	
Dilution factor	1	1	1	
QC Report ID	7487/7-20	7487/7-20	7487/7-20	

James W. Andrews, Ph.D.
President

Janette Davis Long
Vice-President

**SAVANNAH LABORATORIES
AND ENVIRONMENTAL SERVICES, INC.**

5102 LaRoche Avenue (31404)
P. O. Box 13548 • Savannah, GA 31416-0548
(912) 354-7858



LOG NO: 89-7487

Received: 03 SEP 89

Mr. Jimmy Duncan
Engineering Science, Inc.
57 Executive Park, South, Suite 590
Atlanta, GA 30329

Project: AT103 Battle Creek ANBG, Michigan

REPORT OF ANALYTICAL RESULTS

Page 5

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY	
7487-4	BC-BR1 9-7-89	Client	
7487-5	BC2-MW1 9-7-89		
PARAMETER		7487-4	7487-5
Halogenated Volatiles (8010)			
Benzyl chloride, ug/l		1.00	1.00
bis(2-Chloroethoxy) methane, ug/l		1.00	1.00
bis(2-Chloro-1-methylethyl) ether, ug/l		1.00	1.00
Bromobenzene, ug/l		1.00	1.00
Bromodichloromethane, ug/l		1.00	1.00
Bromoform, ug/l		1.00	1.00
Bromomethane, ug/l		1.00	1.00
Carbon Tetrachloride, ug/l		1.00	1.00
Chloroacetaldehyde, ug/l		1.00	1.00
Chlorobenzene, ug/l		1.00	1.00
Chloroethane, ug/l		1.00	1.00
Chloroform, ug/l		1.00	1.00
1-Chlorohexane, ug/l		1.00	1.00
2-Chloroethylvinyl Ether, ug/l		1.00	1.00
Chloromethane, ug/l		1.00	1.00
Chloromethyl methyl ether, ug/l		1.00	1.00
Chlorotoluene, ug/l		1.00	1.00
Dibromochloromethane, ug/l		1.00	1.00
Dibromomethane, ug/l		1.00	1.00
1,2-Dichlorobenzene, ug/l		1.00	1.00
1,3-Dichlorobenzene, ug/l		1.00	1.00

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Project: ATL03 Battle Creek ABG, Michigan

REPORT OF ANALYTICAL RESULTS

Page 6

LOG NO	SAMPLE DESCRIPTION, LIQUID SAMPLES	SAMPLED BY	
7487-4	EC-BR1 9-7-89	Client	
7487-5	EC2-MW1 9-7-89		
PARAMETER		7487-4	7487-5
1,4-Dichlorobenzene, ug/l		1.00	1.00
Dichlorodifluoromethane, ug/l		1.00	1.00
1,1-Dichloroethane, ug/l		1.00	1.00
1,2-Dichloroethane, ug/l		1.00	1.00
1,1-Dichloroethene, ug/l		1.00	1.00
1,2-Dichloroethylene, ug/l		1.00	1.00
Dichloromethane, ug/l		1.00	1.00
1,2-Dichloropropane, ug/l		1.00	1.00
1,3-Dichloropropylene, ug/l		1.00	1.00
1,1,2,2-Tetrachloroethane, ug/l		1.00	1.00
1,1,1,2-Tetrachloroethane, ug/l		1.00	1.00
Tetrachloroethylene, ug/l		1.00	1.00
1,1,1-Trichloroethane, ug/l		1.00	1.00
1,1,2-Trichloroethane, ug/l		1.00	1.00
Trichloroethene, ug/l		1.00	1.00
Trichlorofluoromethane, ug/l		1.00	1.00
Trichloropropane, ug/l		1.00	1.00
Vinyl Chloride, ug/l		1.00	1.00
Column		1% SP-1000	1% SP-1000
Date Collected		09.07.89	09.07.89
Date Analyzed		09.20.89	09.20.89
Dilution factor		1	1
Surrogate - Bromochloromethane (70-130 % Rec)		115 %	118 %
QC Report ID		7487/7-20	7487/7-20

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REPORT OF ANALYTICAL RESULTS

Page 7

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY	
7487-4	BC-BR1 9-7-89	Client	
7487-5	BC2-MW1 9-7-89		
PARAMETER	7487-4	7487-5	
Aromatic Volatiles (8020)			
Benzene, ug/l	1.0U	1.0U	
Chlorobenzene, ug/l	1.0U	1.0U	
1,2-Dichlorobenzene, ug/l	1.0U	1.0U	
1,3-Dichlorobenzene, ug/l	1.0U	1.0U	
1,4-Dichlorobenzene, ug/l	1.0U	1.0U	
Ethylbenzene, ug/l	1.0U	1.0U	
Toluene, ug/l	1.0U	1.0U	
Xylenes, ug/l	1.0U	1.0U	
Column	1% SP-1000	1% SP-1000	
Date Collected	09.07.89	09.07.89	
Date Analyzed	09.20.89	09.20.89	
Dilution factor	1	1	
Surrogate - Trifluoro- toluene (70-130 % Rec)	104 %	105 %	
QC Report ID	7487/7-20	7487/7-20	
Lead (239.2/7420)			
Lead, mg/l	0.0050 U	0.0050 U	
Date Collected	09.07.89	09.07.89	
Date Analyzed	09.26.89	09.26.89	
Dilution factor	1	1	
QC Report ID	7487/7-20	7487/7-20	

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LOG NO. 7487-6

Sampled: 9-7-89

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REPORT OF ANALYTICAL RESULTS

Page 8

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
7487-6	EC-TBI 9-7-89	Client
PARAMETER	7487-6	
Halogenated Volatiles (8010)		
Benzyl chloride, ug/l	1.00	
bis(2-Chloroethoxy) methane, ug/l	1.00	
bis(2-Chloro-1-methylethyl) ether, ug/l	1.00	
Bromobenzene, ug/l	1.00	
Bromodichloromethane, ug/l	1.00	
Bromoform, ug/l	1.00	
Bromomethane, ug/l	1.00	
Carbon Tetrachloride, ug/l	1.00	
Chloroacetaldehyde, ug/l	1.00	
Chlorobenzene, ug/l	1.00	
Chloroethane, ug/l	1.00	
Chloroform, ug/l	1.00	
1-Chlorohexane, ug/l	1.00	
2-Chloroethylvinyl Ether, ug/l	1.00	
Chloromethane, ug/l	1.00	
Chloromethyl methyl ether, ug/l	1.00	
Chlorotoluene, ug/l	1.00	
Dibromochloromethane, ug/l	1.00	
Dibromomethane, ug/l	1.00	
1,2-Dichlorobenzene, ug/l	1.00	
1,3-Dichlorobenzene, ug/l	1.00	
1,4-Dichlorobenzene, ug/l	1.00	

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REPORT OF ANALYTICAL RESULTS

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LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
7487-6	BC-TB1 9-7-89	Client
PARAMETER	7487-6	
Dichlorodifluoromethane, ug/l	1.00	
1,1-Dichloroethane, ug/l	1.00	
1,2-Dichloroethane, ug/l	1.00	
1,1-Dichloroethene, ug/l	1.00	
1,2-Dichloroethylene, ug/l	1.00	
Dichloromethane, ug/l	1.00	
1,2-Dichloropropane, ug/l	1.00	
1,3-Dichloropropane, ug/l	1.00	
1,1,2,2-Tetrachloroethane, ug/l	1.00	
1,1,1,2-Tetrachloroethane, ug/l	1.00	
Tetrachloroethylene, ug/l	1.00	
1,1,1-Trichloroethane, ug/l	1.00	
1,1,2-Trichloroethane, ug/l	1.00	
Trichloroethene, ug/l	1.00	
Trichlorofluoromethane, ug/l	1.00	
Trichloropropane, ug/l	1.00	
Vinyl Chloride, ug/l	1.00	
Column	1% SP-1000	
Date Collected	09.07.89	
Date Analyzed	09.20.89	
Dilution factor	1	
Surrogate - Bromochloro- methane (70-130 % Rec)	78 %	
QC Report ID	7487/7-20	

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Page 10

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
7487-6	BC-TBI 9-7-89	Client
PARAMETER	7487-6	
Aromatic Volatiles (8020)		
Benzene, ug/l	1.00	
Chlorobenzene, ug/l	1.00	
1,2-Dichlorobenzene, ug/l	1.00	
1,3-Dichlorobenzene, ug/l	1.00	
1,4-Dichlorobenzene, ug/l	1.00	
Ethylbenzene, ug/l	1.00	
Toluene, ug/l	1.00	
Xylenes, ug/l	1.00	
Column	1% SP-1000	
Date Collected	09.07.89	
Date Analyzed	09.20.89	
Dilution factor	1	
Surrogate - Trifluoro- toluene (70-130 % Rec)	95 %	
QC Report ID	7487/7-20	

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REPORT OF ANALYTICAL RESULTS

Page 11

LOG NO	SAMPLE DESCRIPTION , QC SAMPLES	SAMPLED BY				
7487-7	Method Blank	Client				
7487-8	Matrix Spike/MSD Added					
7487-9	Sample Concentration					
7487-10	MS Concentration					
7487-11	MS % Recovery					
PARAMETER	7487-7	7487-8	7487-9	7487-10	7487-11	
Halogenated Volatiles (8010)						
Benzyl chloride, ug/l	1.00	—	—	—	—	
bis(2-Chloroethoxy) methane, ug/l	1.00	—	—	—	—	
bis(2-Chloro-1-methylethyl) ether, ug/l	1.00	—	—	—	—	
Bromobenzene, ug/l	1.00	—	—	—	—	
Bromodichloromethane, ug/l	1.00	—	—	—	—	
Bromoform, ug/l	1.00	—	—	—	—	
Bromomethane, ug/l	1.00	—	—	—	—	
Carbon Tetrachloride, ug/l	1.00	—	—	—	—	
Chloroacetaldehyde, ug/l	1.00	—	—	—	—	
Chlorobenzene, ug/l	1.00	10	1.00	10.7	107 %	
Chloroethane, ug/l	1.00	—	—	—	—	
Chloroform, ug/l	1.00	—	—	—	—	
1-Chlorohexane, ug/l	1.00	—	—	—	—	
2-Chloroethylvinyl Ether, ug/l	1.00	—	—	—	—	
Chloromethane, ug/l	1.00	—	—	—	—	
Chloromethyl methyl ether, ug/l	1.00	—	—	—	—	
Chlorotoluene, ug/l	1.00	—	—	—	—	

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Page 12

LOG NO	SAMPLE DESCRIPTION , QC SAMPLES	SAMPLED BY				
		Client				
7487-7	Method Blank					
7487-8	Matrix Spike/MSD Added					
7487-9	Sample Concentration					
7487-10	MS Concentration					
7487-11	MS % Recovery					
PARAMETER	7487-7	7487-8	7487-9	7487-10	7487-11	
Dibromochloromethane, ug/l	1.00	—	—	—	—	
Dibromomethane, ug/l	1.00	—	—	—	—	
1,2-Dichlorobenzene, ug/l	1.00	—	—	—	—	
1,3-Dichlorobenzene, ug/l	1.00	—	—	—	—	
1,4-Dichlorobenzene, ug/l	1.00	—	—	—	—	
Dichlorodifluoromethane, ug/l	1.00	—	—	—	—	
1,1-Dichloroethane, ug/l	1.00	—	—	—	—	
1,2-Dichloroethane, ug/l	1.00	—	—	—	—	
1,1-Dichloroethene, ug/l	1.00	10	1.00	7.6	76 %	
1,2-Dichloroethylene, ug/l	1.00	—	—	—	—	
Dichloromethane, ug/l	1.00	—	—	—	—	
1,2-Dichloropropane, ug/l	1.00	—	—	—	—	
1,3-Dichloropropylene, ug/l	1.00	—	—	—	—	
1,1,2,2-Tetrachloroethane, ug/l	1.00	—	—	—	—	
1,1,1,2-Tetrachloroethane, ug/l	1.00	—	—	—	—	
Tetrachloroethylene, ug/l	1.00	—	—	—	—	
1,1,1-Trichloroethane, ug/l	1.00	—	—	—	—	
1,1,2-Trichloroethane, ug/l	1.00	—	—	—	—	
Trichloroethane, ug/l	1.00	10	1.00	9.1	91 %	

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REPORT OF ANALYTICAL RESULTS

Page 13

LOG NO	SAMPLE DESCRIPTION , QC SAMPLES	SAMPLED BY				
7487-7	Method Blank	Client				
7487-8	Matrix Spike/MSD Added					
7487-9	Sample Concentration					
7487-10	MS Concentration					
7487-11	MS % Recovery					
PARAMETER	7487-7	7487-8	7487-9	7487-10	7487-11	
Trichlorofluoromethane, ug/l	1.00	—	—	—	—	
Trichloropropane, ug/l	1.00	—	—	—	—	
Vinyl Chloride, ug/l	1.00	—	—	—	—	
Column	1% SP-1000	—	—	1% SP-1000	—	
Date Analyzed	09.20.89	—	—	09.20.89	—	
Dilution factor	1	—	—	1	—	
Surrogate - Bromochloro- methane (70-130 % Rec)	126 %	—	—	99%	—	

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REPORT OF ANALYTICAL RESULTS

Page 14

LOG NO	SAMPLE DESCRIPTION , QC SAMPLES	SAMPLED BY				
7487-7	Method Blank	Client				
7487-8	Matrix Spike/MSD Added					
7487-9	Sample Concentration					
7487-10	MS Concentration					
7487-11	MS % Recovery					
PARAMETER	7487-7	7487-8	7487-9	7487-10	7487-11	
Aromatic Volatiles (8020)						
Benzene, ug/l	1.00	10	1.00	10.3	103 %	
Chlorobenzene, ug/l	1.00	10	1.00	11.0	110 %	
1,2-Dichlorobenzene, ug/l	1.00	—	—	—	—	
1,3-Dichlorobenzene, ug/l	1.00	—	—	—	—	
1,4-Dichlorobenzene, ug/l	1.00	—	—	—	—	
Ethylbenzene, ug/l	1.00	—	—	—	—	
Toluene, ug/l	1.00	10	1.00	10.6	106 %	
Xylenes, ug/l	1.00	—	—	—	—	
Column	1% SP-1000	—	—	—	—	
Date Analyzed	09.20.89	—	—	09.22.89	—	
Dilution factor	1	—	—	1	—	
Surrogate - Trifluoro- toluene (70-130 % Rec)	112 %	—	—	108 %	—	
Lead (239.2/7420)						
Lead , mg/l	0.00500	.020/.020	0.00500	0.019	95 %	
Date Analyzed	—	—	—	09.26.39	—	

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REPORT OF ANALYTICAL RESULTS

Page 15

LOG NO	SAMPLE DESCRIPTION , QC SAMPLES					SAMPLED BY
7487-7	Method Blank					Client
7487-8	Matrix Spike/MSD Added					
7487-9	Sample Concentration					
7487-10	MS Concentration					
7487-11	MS % Recovery					
PARAMETER	7487-7	7487-8	7487-9	7487-10	7487-11	
Chromium (218.2/7191)						
Chromium, mg/l	0.0100	1.0/1.0	0.0100	1.02	102 %	
Date Analyzed	—	—	—	09.20.89	—	
Dilution factor	—	—	—	1	—	

Methods: EPA SW-846

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REPORT OF ANALYTICAL RESULTS

Page 16

LOG NO	SAMPLE DESCRIPTION , QC SAMPLES			SAMPLED BY	
7487-12	MSD Concentration			Client	
7487-13	MSD % Recovery				
7487-14	Recovery Limit				
7487-15	% RPD				
7487-16	% RPD Limit				
PARAMETER	7487-12	7487-13	7487-14	7487-15	7487-16
Halogenated Volatiles (8010)					
Chlorobenzene, ug/l	10.6	106 %	56-144 %	0.94 %	0-30 %
1,1-Dichloroethene, ug/l	7.5	75 %	75-125 %	1.3 %	0-30 %
Trichloroethene, ug/l	9.1	91 %	65-135 %	0 %	0-30 %
Column	1% SP-1000	—	—	—	—
Date Analyzed	09.20.89	—	—	—	—
Surrogate - Bromochloro- methane (70-130 % Rec)	9.7	97 %	—	—	—
Aromatic Volatiles (8020)					
Benzene, ug/l	10.3	103 %	75-125 %	0 %	0-30 %
Chlorobenzene, ug/l	10.6	106 %	56-144 %	0.94 %	0-30 %
Toluene, ug/l	10.3	103 %	70-130 %	0 %	0-30 %
Column	1% SP-1000	—	—	—	—
Date Analyzed	09.20.89	—	—	—	—
Surrogate - Trifluoro- toluene (70-130 % Rec)	103 %	—	—	—	—
Lead (239.2/7420)					
Lead , mg/l	0.018	90 %	75-125 %	5.4 %	0-20 %
Date Analyzed	09.26.89	—	—	—	—

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REPORT OF ANALYTICAL RESULTS

Page 17

LOG NO	SAMPLE DESCRIPTION , QC SAMPLES					SAMPLED BY
7487-12	MSD Concentration					Client
7487-13	MSD % Recovery					
7487-14	Recovery Limit					
7487-15	% RPD					
7487-16	% RPD Limit					
PARAMETER	7487-12	7487-13	7487-14	7487-15	7487-16	
Chromium (218.2/7191)						
Chromium, mg/l	1.00	100 %	75-125 %	2.0 %	0-20 %	
Date Analyzed	09.20.89	—	—	—	—	
Dilution factor	1	—	—	—	—	

Methods: EPA SW-846

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REPORT OF ANALYTICAL RESULTS

Page 18

LOG NO	SAMPLE DESCRIPTION , QC SAMPLES	SAMPLED BY			
7487-17	Blank Spike Added	Client			
7487-18	Blank Spike Concentration				
7487-19	Blank Spike (% Rec)				
7487-20	Blank Spike Control Limit				
PARAMETER	7487-17	7487-18	7487-19	7487-20	
Halogenated Volatiles (8010)					
Chlorobenzene, ug/l	1.0	11.0	110 %	56-144 %	
1,1-Dichloroethene, ug/l	10	7.9	79 %	75-125 %	
Trichloroethene, ug/l	10	9.5	95 %	65-135 %	
Column	—	1% SP-1000	—	—	
Date Analyzed	—	09.20.89	—	—	
Dilution factor	—	1	—	—	
Surrogate - Bromochloro- methane (70-130 % Rec)	—	102 %	—	—	
Aromatic Volatiles (8020)					
Benzene, ug/l	10	10.7	107 %	75-125 %	
Chlorobenzene, ug/l	10	11.0	110 %	56-144 %	
Toluene, ug/l	10	10.6	106 %	70-130 %	
Column	—	1% SP-1000	—	—	
Date Analyzed	—	09.20.89	—	—	
Dilution factor	—	1	—	—	
Surrogate - Trifluoro- toluene (70-130 % Rec)	—	110 %	—	—	
Lead (239.2/7420)					
Lead , mg/l	0.034	0.033	97 %	75-125 %	
Date Analyzed	—	09.26.89	—	—	

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REPORT OF ANALYTICAL RESULTS

Page 19

LOG NO	SAMPLE DESCRIPTION , QC SAMPLES	SAMPLED BY			
7487-17	Blank Spike Added	Client			
7487-18	Blank Spike Concentration				
7487-19	Blank Spike (% Rec)				
7487-20	Blank Spike Control Limit				

PARAMETER	7487-17	7487-18	7487-19	7487-20
Chromium (218.2/7191)				
Chromium, mg/l	0.10	0.101	101 ±	75-125 ±
Date Analyzed	—	09.20.89	—	—

Methods: EPA SW-846

J. W. Andrews

J. W. Andrews, Ph. D.

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LOG NO: 89-7617

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Project: AT103 Battle Creek ANGB, Michigan

REPORT OF ANALYTICAL RESULTS

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LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES		SAMPLED BY
7617-1	BC5-MW1	9-8-89	Client
7617-2	BC3-MW6	9-8-89	
7617-3	BC3-MW5	9-8-89	
7617-4	BC3-MW7	9-8-89 - Duplicate of BC3-MW5	
7617-5	BC-MW7	9-8-89	

PARAMETER	7617-1	7617-2	7617-3	7617-4	7617-5
Halogenated Volatiles (8010)					
Benzyl chloride, ug/l	1.00	1.00	1.00	1.00	1.00
bis(2-Chloroethoxy) methane, ug/l	1.00	1.00	1.00	1.00	1.00
bis(2-Chloro-1-methylethyl) ether, ug/l	1.00	1.00	1.00	1.00	1.00
Bromobenzene, ug/l	1.00	1.00	1.00	1.00	1.00
Bromodichloromethane, ug/l	1.00	1.00	1.00	1.00	1.00
Bromoform, ug/l	1.00	1.00	1.00	1.00	1.00
Bromomethane, ug/l	1.00	1.00	1.00	1.00	1.00
Carbon Tetrachloride, ug/l	1.00	1.00	1.00	1.00	1.00
Chloroacetaldehyde, ug/l	1.00	1.00	1.00	1.00	1.00
Chlorobenzene, ug/l	1.00	1.00	1.00	1.00	1.00
Chloroethane, ug/l	1.00	1.00	1.00	1.00	1.00
Chloroform, ug/l	1.00	1.00	1.00	1.00	1.00
1-Chlorohexane, ug/l	1.00	1.00	1.00	1.00	1.00
2-Chloroethylvinyl Ether, ug/l	1.00	1.00	1.00	1.00	1.00
Chloromethane, ug/l	1.00	1.00	1.00	1.00	1.00
Chloromethyl methyl ether, ug/l	1.00	1.00	1.00	1.00	1.00
Chlorotoluene, ug/l	1.00	1.00	1.00	1.00	1.00

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REPORT OF ANALYTICAL RESULTS

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LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES					SAMPLED BY
7617-1	BC5-MW1	9-8-89				Client
7617-2	BC3-MW6	9-8-89				
7617-3	BC3-MW5	9-8-89				
7617-4	BC3-MW7	9-8-89				
7617-5	BC-MW7	9-8-89				
PARAMETER	7617-1	7617-2	7617-3	7617-4	7617-5	
Dibromochloromethane, ug/l	1.00	1.00	1.00	1.00	1.00	
Dibromomethane, ug/l	1.00	1.00	1.00	1.00	1.00	
1,2-Dichlorobenzene, ug/l	1.00	1.00	1.00	1.00	1.00	
1,3-Dichlorobenzene, ug/l	1.00	1.00	1.00	1.00	1.00	
1,4-Dichlorobenzene, ug/l	1.00	1.00	1.00	1.00	1.00	
Dichlorodifluoromethane, ug/l	1.00	1.00	1.00	1.00	1.00	
1,1-Dichloroethane, ug/l	1.00	1.00	1.00	1.00	1.00	
1,2-Dichloroethane, ug/l	1.00	1.00	1.00	1.00	1.00	
1,1-Dichloroethane, ug/l	1.00	1.00	1.00	1.00	1.00	
1,2-Dichloroethylene, ug/l	1.00	1.00	1.00	1.00	1.00	
Dichloromethane, ug/l	1.00	1.00	1.00	1.00	1.00	
1,2-Dichloropropane, ug/l	1.00	1.00	1.00	1.00	1.00	
1,3-Dichloropropylene, ug/l	1.00	1.00	1.00	1.00	1.00	
1,1,2,2-Tetrachloroethane, ug/l	1.00	1.00	1.00	1.00	1.00	
1,1,1,2-Tetrachloroethane, ug/l	1.00	1.00	1.00	1.00	1.00	
Tetrachloroethylene, ug/l	1.00	1.00	1.00	1.00	1.00	
1,1,1-Trichloroethane, ug/l	1.00	1.00	1.00	1.00	1.00	
1,1,2-Trichloroethane, ug/l	1.00	1.00	1.00	1.00	1.00	
Trichloroethane, ug/l	1.00	1.00	1.00	1.00	1.00	

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REPORT OF ANALYTICAL RESULTS

Page 3

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES					SAMPLED BY
7617-1	BC5-MW1	9-8-89				Client
7617-2	BC3-MW6	9-8-89				
7617-3	BC3-MW5	9-8-89				
7617-4	BC3-MW7	9-8-89				
7617-5	BC-MW7	9-8-89				
PARAMETER	7617-1	7617-2	7617-3	7617-4	7617-5	
Trichlorofluoromethane, ug/l	1.00	1.00	1.00	1.00	1.00	
Trichloropropane, ug/l	1.00	1.00	1.00	1.00	1.00	
Vinyl Chloride, ug/l	1.00	1.00	1.00	1.00	1.00	
Column	1% SP-1000	1% SP-1000	1% SP-1000	1% SP-1000	1% SP-1000	
Date Collected	09.08.89	09.08.89	09.08.89	09.08.89	09.08.89	
Date Analyzed	09.19.89	09.19.89	09.19.89	09.19.89	09.19.89	
Dilution factor	1	1	1	1	1	
Surrogate - Bromochloro- methane (70-130 % Rec)	83 %	108 %	103 %	109 %	79 %	
QC Report ID	7617/7-20	7617/7-20	7617/7-20	7617/7-20	7617/7-20	

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REPORT OF ANALYTICAL RESULTS

Page 4

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES					SAMPLED BY
7617-1	BC5-MW1	9-8-89				Client
7617-2	BC3-MW6	9-8-89				
7617-3	BC3-MW5	9-8-89				
7617-4	BC3-MW7	9-8-89				
7617-5	BC-MW7	9-8-89				
PARAMETER	7617-1	7617-2	7617-3	7617-4	7617-5	
Aromatic Volatiles (8020)						
Benzene, ug/l	1.00	1.00	1.00	1.00	1.00	
Chlorobenzene, ug/l	1.00	1.00	1.00	1.00	1.00	
1,2-Dichlorobenzene, ug/l	1.00	1.00	1.00	1.00	1.00	
1,3-Dichlorobenzene, ug/l	1.00	1.00	1.00	1.00	1.00	
1,4-Dichlorobenzene, ug/l	1.00	1.00	1.00	1.00	1.00	
Ethylbenzene, ug/l	1.00	1.00	1.00	1.00	1.00	
Toluene, ug/l	1.00	1.00	1.00	1.00	1.00	
Xylenes, ug/l	1.00	1.00	1.00	1.00	1.00	
Column	1% SP-1000	1% SP-1000	1% SP-1000	1% SP-1000	1% SP-1000	
Date Collected	09.08.89	09.08.89	09.08.89	09.08.89	09.08.89	
Date Analyzed	09.19.89	09.19.89	09.19.89	09.19.89	09.19.89	
Dilution factor	1	1	1	1	1	
Surrogate - Trifluoro- toluene (70-130 % Rec)	110 %	96 %	97 %	94 %	116 %	
QC Report ID	7617/7-20	7617/7-20	7617/7-20	7617/7-20	7617/7-20	

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LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES					SAMPLED BY
7617-1	BC5-MW1	9-8-89				Client
7617-2	BC3-MW6	9-8-89				
7617-3	BC3-MW5	9-8-89				
7617-4	BC3-MW7	9-8-89				
7617-5	BC-MW7	9-8-89				
PARAMETER	7617-1	7617-2	7617-3	7617-4	7617-5	
Lead (239.2/7420)						
Lead , mg/l	0.0050U	0.0050U	0.0093	0.0094	0.010	
Date Collected	09.08.89	09.08.89	09.08.89	09.08.89	09.08.89	
Date Analyzed	09.30.89	09.30.89	09.30.89	09.30.89	09.30.89	
Dilution factor	1	1	1	1	1	
QC Report ID	7617/7-20	7617/7-20	7617/7-20	7617/7-20	7617/7-20	

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LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
7617-6	BC-TB2	Client
PARAMETER	7617-6	
Halogenated Volatiles (8010)		
Benzyl chloride, ug/l	1.00	
bis(2-Chloroethoxy) methane, ug/l	1.00	
bis(2-Chloro-1-methylethyl) ether, ug/l	1.00	
Bromobenzene, ug/l	1.00	
Bromodichloromethane, ug/l	1.00	
Bromoform, ug/l	1.00	
Bromomethane, ug/l	1.00	
Carbon Tetrachloride, ug/l	1.00	
Chloroacetaldehyde, ug/l	1.00	
Chlorobenzene, ug/l	1.00	
Chloroethane, ug/l	1.00	
Chloroform, ug/l	1.00	
1-Chlorohexane, ug/l	1.00	
2-Chloroethylvinyl Ether, ug/l	1.00	
Chloromethane, ug/l	1.00	
Chloromethyl methyl ether, ug/l	1.00	
Chlorotoluene, ug/l	1.00	
Dibromochloromethane, ug/l	1.00	
Dibromomethane, ug/l	1.00	
1,2-Dichlorobenzene, ug/l	1.00	
1,3-Dichlorobenzene, ug/l	1.00	
1,4-Dichlorobenzene, ug/l	1.00	

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REPORT OF ANALYTICAL RESULTS

Page 7

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
7617-6	BC-TB2	Client
PARAMETER	7617-6	
Dichlorodifluoromethane, ug/l	1.00	
1,1-Dichloroethane, ug/l	1.00	
1,2-Dichloroethane, ug/l	1.00	
1,1-Dichloroethene, ug/l	1.00	
1,2-Dichloroethylene, ug/l	1.00	
Dichloromethane, ug/l	1.00	
1,2-Dichloropropane, ug/l	1.00	
1,3-Dichloropropylene, ug/l	1.00	
1,1,2,2-Tetrachloroethane, ug/l	1.00	
1,1,1,2-Tetrachloroethane, ug/l	1.00	
Tetrachloroethylene, ug/l	1.00	
1,1,1-Trichloroethane, ug/l	1.00	
1,1,2-Trichloroethane, ug/l	1.00	
Trichloroethene, ug/l	1.00	
Trichlorofluoromethane, ug/l	1.00	
Trichloropropane, ug/l	1.00	
Vinyl Chloride, ug/l	1.00	
Column	1% SP-1000	
Date Collected	09.08.89	
Date Analyzed	09.19.89	
Dilution factor	1	
Surrogate - Bromochloro- methane (70-130 % Rec)	108 %	
QC Report ID	7617/7-20	

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REPORT OF ANALYTICAL RESULTS

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LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
7617-6	BC-TB2	Client
PARAMETER	7617-6	
Aromatic Volatiles (8020)		
Benzene, ug/l	1.00	
Chlorobenzene, ug/l	1.00	
1,2-Dichlorobenzene, ug/l	1.00	
1,3-Dichlorobenzene, ug/l	1.00	
1,4-Dichlorobenzene, ug/l	1.00	
Ethylbenzene, ug/l	1.00	
Toluene, ug/l	1.00	
Xylenes, ug/l	1.00	
Column	1% SP-1000	
Date Collected	09.08.89	
Date Analyzed	09.19.89	
Dilution factor	1	
Surrogate - Trifluoro- toluene (70-130 % Rec)	104%	
QC Report ID	7617/7-20	

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REPORT OF ANALYTICAL RESULTS

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LOG NO	SAMPLE DESCRIPTION , QC SAMPLES	SAMPLED BY
7617-7	Method Blank	Client
7617-8	Matrix Spike/MSD added	
7617-9	Sample Concentration	
7617-10	MS Concentration	
7617-11	MS % Recovery	

PARAMETER	7617-7	7617-8	7617-9	7617-10	7617-11
Halogenated Volatiles (8010)					
Benzyl chloride, ug/l	1.00	—	—	—	—
bis(2-Chloroethoxy) methane, ug/l	1.00	—	—	—	—
bis(2-Chloro-1-methylethyl) ether, ug/l	1.00	—	—	—	—
Bromobenzene, ug/l	1.00	—	—	—	—
Bromodichloromethane, ug/l	1.00	—	—	—	—
Bromoform, ug/l	1.00	—	—	—	—
Bromomethane, ug/l	1.00	—	—	—	—
Carbon Tetrachloride, ug/l	1.00	—	—	—	—
Chloroacetaldehyde, ug/l	1.00	—	—	—	—
Chlorobenzene, ug/l	1.00	10	1.00	10.5	105
Chloroethane, ug/l	1.00	—	—	—	—
Chloroform, ug/l	1.00	—	—	—	—
1-Chlorohexane, ug/l	1.00	—	—	—	—
2-Chloroethylvinyl Ether, ug/l	1.00	—	—	—	—
Chloromethane, ug/l	1.00	—	—	—	—
Chloromethyl methyl ether, ug/l	1.00	—	—	—	—
Chlorotoluene, ug/l	1.00	—	—	—	—

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LOG NO	SAMPLE DESCRIPTION , QC SAMPLES	SAMPLED BY
7617-7	Method Blank	Client
7617-8	Matrix Spike/MSD added	
7617-9	Sample Concentration	
7617-10	MS Concentration	
7617-11	MS % Recovery	

PARAMETER	7617-7	7617-8	7617-9	7617-10	7617-11
Dibromochloromethane, ug/l	1.0U	—	—	—	—
Dibromomethane, ug/l	1.0U	—	—	—	—
1,2-Dichlorobenzene, ug/l	1.0U	—	—	—	—
1,3-Dichlorobenzene, ug/l	1.0U	—	—	—	—
1,4-Dichlorobenzene, ug/l	1.0U	—	—	—	—
Dichlorodifluoromethane, ug/l	1.0U	—	—	—	—
1,1-Dichloroethane, ug/l	1.0U	—	—	—	—
1,2-Dichloroethane, ug/l	1.0U	—	—	—	—
1,1-Dichloroethene, ug/l	1.0U	10	1.0U	8.8	88 %
1,2-Dichloroethylene, ug/l	1.0U	—	—	—	—
Dichloromethane, ug/l	1.0U	—	—	—	—
1,2-Dichloropropane, ug/l	1.0U	—	—	—	—
1,3-Dichloropropylene, ug/l	1.0U	—	—	—	—
1,1,2,2-Tetrachloroethane, ug/l	1.0U	—	—	—	—
1,1,1,2-Tetrachloroethane, ug/l	1.0U	—	—	—	—
Tetrachloroethylene, ug/l	1.0U	—	—	—	—
1,1,1-Trichloroethane, ug/l	1.0U	—	—	—	—
1,1,2-Trichloroethane, ug/l	1.0U	—	—	—	—
Trichloroethene, ug/l	1.0U	10	1.0U	8.7	87 %

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LOG NO	SAMPLE DESCRIPTION , QC SAMPLES	SAMPLED BY				
7617-7	Method Blank	Client				
7617-8	Matrix Spike/MSD added					
7617-9	Sample Concentration					
7617-10	MS Concentration					
7617-11	MS % Recovery					
PARAMETER	7617-7	7617-8	7617-9	7617-10	7617-11	
Trichlorofluoromethane, ug/l	1.0U	---	---	---	---	
Trichloropropane, ug/l	1.0U	---	---	---	---	
Vinyl Chloride, ug/l	1.0U	---	---	---	---	
Column	1% SP-1000	---	---	1% SP-1000	---	
Date Analyzed	09.19.89	---	---	09.19.89	---	
Surrogate - Bromochloro- methane (70-130 % Rec)	93 %	---	---	91 %	---	

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LOG NO	SAMPLE DESCRIPTION , QC SAMPLES				SAMPLED BY
7617-7	Method Blank				Client
7617-8	Matrix Spike/MSD added				
7617-9	Sample Concentration				
7617-10	MS Concentration				
7617-11	MS % Recovery				
PARAMETER	7617-7	7617-8	7617-9	7617-10	7617-11
Aromatic Volatiles (8020)					
Benzene, ug/l	1.00	10	1.00	10.6	106 %
Chlorobenzene, ug/l	1.00	10	1.00	10.5	105 %
1,2-Dichlorobenzene, ug/l	1.00	—	—	—	—
1,3-Dichlorobenzene, ug/l	1.00	—	—	—	—
1,4-Dichlorobenzene, ug/l	1.00	—	—	—	—
Ethylbenzene, ug/l	1.00	—	—	—	—
Toluene, ug/l	1.00	10	1.00	10.5	105 %
Xylenes, ug/l	1.00	—	—	—	—
Column	1% SP-1000	—	—	1% SP-1000	—
Date Analyzed	09.19.89	—	—	09.19.89	—
Dilution factor	1	—	—	1	—
Surrogate - Trifluoro-toluene (70-130 % Rec)	95 %	—	—	104 %	—
Lead (239.2/7420)					
Lead , mg/l	0.0050 U	.020/.020	0.0050 U	0.020	100 %

Methods: EPA SW-846

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LOG NO: 89-7617

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Project: AT103 Battle Creek ANGB, Michigan

REPORT OF ANALYTICAL RESULTS

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LOG NO	SAMPLE DESCRIPTION , QC SAMPLES			SAMPLED BY	
7617-12	MSD Concentration			Client	
7617-13	MSD % Recovery				
7617-14	Recovery Limit				
7617-15	% RPD				
7617-16	% RPD Limit				
PARAMETER	7617-12	7617-13	7617-14	7617-15	7617-16
Halogenated Volatiles (8010)					
Chlorobenzene, ug/l	10.3	103 %	56-144 %	1.9 %	0-30 %
1,1-Dichloroethene, ug/l	8.4	84 %	75-125 %	4.7 %	0-30 %
Trichloroethene, ug/l	10.3	103 %	65-135 %	3.5 %	0-30 %
Date Analyzed	09.19.89	—	—	—	—
Surrogate - Bromochloro- methane (70-130 % Rec)	92 %	—	—	—	—
Aromatic Volatiles (8020)					
Benzene, ug/l	10.3	103 %	75-125 %	2.9 %	0-30 %
Toluene, ug/l	10.0	100 %	70-130 %	4.9 %	0-30 %
Chlorobenzene, ug/l	10.3	103 %	56-144 %	1.9 %	0-30 %
Date Analyzed	09.19.89	—	—	—	—
Surrogate - Trifluoro- toluene (70-130 % Rec)	88 %	—	—	—	—
Lead (239.2/7420)					
Lead , mg/l	0.020	105 %	75-125 %	4.9 %	0-20 %

Methods: EPA 846

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LOG NO	SAMPLE DESCRIPTION , QC SAMPLES	SAMPLED BY			
7617-17	Blank Spike Added	Client			
7617-18	Blank Spike Concentration				
7617-19	Blank Spike (% Rec)				
7617-20	Blank Spike Control Limit				
PARAMETER	7617-17	7617-18	7617-19	7617-20	
Halogenated Volatiles (8010)					
Chlorobenzene, ug/l	10	10.6	106 %	56-144 %	
1,1-Dichloroethene, ug/l	10	9.9	99 %	75-125 %	
Trichloroethene, ug/l	10	10.5	105 %	65-135 %	
Column	—	1% SP-1000	—	—	
Date Analyzed	—	09.19.89	—	—	
Dilution factor	—	1	—	—	
Surrogate - Bromochloro- methane (70-130 % Rec)	—	113 %	—	—	
Aromatic Volatiles (8020)					
Benzene, ug/l	10	10.3	103 %	75-125 %	
Chlorobenzene, ug/l	10	10.6	106 %	56-144 %	
Toluene, ug/l	10	10.7	102 %	70-130 %	
Column	—	1% SP-1000	—	—	
Date Analyzed	—	09.19.89	—	—	
Dilution factor	—	1	—	—	
Surrogate - Trifluoro- toluene (70-130 % Rec)	—	111 %	—	—	
Lead (239.2/7420)					
Lead , mg/l	0.050	0.055	110 %	75-125 %	

Methods: EPA 821-846

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REPORT OF ANALYTICAL RESULTS

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LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY	
7626-1	BC-BR2 9-9-89	Client	
7626-2	BC-MW15 9-9-89		
PARAMETER		7626-1	7626-2
Halogenated Volatiles (8010)			
Benzyl chloride, ug/l		1.00	1.00
bis(2-Chloroethoxy) methane, ug/l		1.00	1.00
bis(2-Chloro-1-methylethyl) ether, ug/l		1.00	1.00
Bromobenzene, ug/l		1.00	1.00
Bromodichloromethane, ug/l		1.00	1.00
Bromoform, ug/l		1.00	1.00
Bromomethane, ug/l		1.00	1.00
Carbon Tetrachloride, ug/l		1.00	1.00
Chloroacetaldehyde, ug/l		1.00	1.00
Chlorobenzene, ug/l		1.00	1.00
Chloroethane, ug/l		1.00	1.00
Chloroform, ug/l		1.00	1.00
1-Chlorohexane, ug/l		1.00	1.00
2-Chloroethylvinyl Ether, ug/l		1.00	1.00
Chloromethane, ug/l		1.00	1.00
Chloromethyl methyl ether, ug/l		1.00	1.00
Chlorotoluene, ug/l		1.00	1.00
Dibromochloromethane, ug/l		1.00	1.00
Dibromomethane, ug/l		1.00	1.00
1,2-Dichlorobenzene, ug/l		1.00	1.00
1,3-Dichlorobenzene, ug/l		1.00	1.00

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LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY	
7626-1	BC-BR2 9-9-89	Client	
7626-2	BC-MW15 9-9-89		
PARAMETER		7626-1	7626-2
1,4-Dichlorobenzene, ug/l		1.00	1.00
Dichlorodifluoromethane, ug/l		1.00	1.00
1,1-Dichloroethane, ug/l		1.00	1.00
1,2-Dichloroethane, ug/l		1.00	1.00
1,1-Dichloroethene, ug/l		1.00	1.00
1,2-Dichloroethylene, ug/l		1.00	1.00
Dichloromethane, ug/l		1.00	1.00
1,2-Dichloropropane, ug/l		1.00	1.00
1,3-Dichloropropylene, ug/l		1.00	1.00
1,1,2,2-Tetrachloroethane, ug/l		1.00	1.00
1,1,1,2-Tetrachloroethane, ug/l		1.00	1.00
Tetrachloroethylene, ug/l		1.00	1.00
1,1,1-Trichloroethane, ug/l		1.00	1.00
1,1,2-Trichloroethane, ug/l		1.00	1.00
Trichloroethene, ug/l		1.00	1.00
Trichlorofluoromethane, ug/l		1.00	1.00
Trichloropropane, ug/l		1.00	1.00
Vinyl Chloride, ug/l		1.00	1.00
Column		1% SP-1000	1% SP-1000
Date Collected		09.09.89	09.09.89
Date Analyzed		09.19.89	09.19.89
Dilution factor		1	1
Surrogate - Bromochloro- methane (70-130 % Rec)		89	127
QC Report ID		7626/4-17	7626/4-17

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LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY	
7626-1	BC-BR2 9-9-89	Client	
7626-2	BC-MW15 9-9-89		
PARAMETER	7626-1	7626-2	
Aromatic Volatiles (8020)			
Benzene, ug/l	1.00	1.00	
Chlorobenzene, ug/l	1.00	1.00	
1,2-Dichlorobenzene, ug/l	1.00	1.00	
1,3-Dichlorobenzene, ug/l	1.00	1.00	
1,4-Dichlorobenzene, ug/l	1.00	1.00	
Ethylbenzene, ug/l	1.00	1.00	
Toluene, ug/l	1.00	1.00	
Xylenes, ug/l	1.00	1.00	
Column	1% SP-1000	1% SP-1000	
Date Collected	09.09.89	09.09.89	
Date Analyzed	09.19.89	09.19.89	
Dilution factor	1	1	
Surrogate - Trifluoro- toluene (70-130 % Rec)	108 %	93 %	
QC Report ID	7626/4-17	7626/4-17	
Lead (239.2/7420)			
Lead , mg/l	0.0050U	0.0050U	
Date Collected	09.09.89	09.09.89	
Date Analyzed	10.05.89	10.05.89	
Dilution factor	1	1	
QC Report ID	7626/4-17	7626/4-17	

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LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
7626-3	BC-TB3 9-9-89	Client
PARAMETER	7626-3	
Halogenated Volatiles (8010)		
Benzyl chloride, ug/l	1.00	
bis(2-Chloroethoxy) methane, ug/l	1.00	
bis(2-Chloro-1-methylethyl) ether, ug/l	1.00	
Bromobenzene, ug/l	1.00	
Bromodichloromethane, ug/l	1.00	
Bromoform, ug/l	1.00	
Bromomethane, ug/l	1.00	
Carbon Tetrachloride, ug/l	1.00	
Chloroacetaldehyde, ug/l	1.00	
Chlorobenzene, ug/l	1.00	
Chloroethane, ug/l	1.00	
Chloroform, ug/l	1.00	
1-Chlorohexane, ug/l	1.00	
2-Chloroethylvinyl Ether, ug/l	1.00	
Chloromethane, ug/l	1.00	
Chloromethyl methyl ether, ug/l	1.00	
Chlorotoluene, ug/l	1.00	
Dibromochloromethane, ug/l	1.00	
Dibromomethane, ug/l	1.00	
1,2-Dichlorobenzene, ug/l	1.00	
1,3-Dichlorobenzene, ug/l	1.00	
1,4-Dichlorobenzene, ug/l	1.00	

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LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
7626-3	BC-TB3 9-9-89	Client
PARAMETER	7626-3	
Dichlorodifluoromethane, ug/l	1.00	
1,1-Dichloroethane, ug/l	1.00	
1,2-Dichloroethane, ug/l	1.00	
1,1-Dichloroethene, ug/l	1.00	
1,2-Dichloroethylene, ug/l	1.00	
Dichloromethane, ug/l	1.00	
1,2-Dichloropropane, ug/l	1.00	
1,3-Dichloropropylene, ug/l	1.00	
1,1,2,2-Tetrachloroethane, ug/l	1.00	
1,1,1,2-Tetrachloroethane, ug/l	1.00	
Tetrachloroethylene, ug/l	1.00	
1,1,1-Trichloroethane, ug/l	1.00	
1,1,2-Trichloroethane, ug/l	1.00	
Trichloroethene, ug/l	1.00	
Trichlorofluoromethane, ug/l	1.00	
Trichloropropane, ug/l	1.00	
Vinyl Chloride, ug/l	1.00	
Column	1% SP-1000	
Date Collected	09.09.89	
Date Analyzed	09.19.89	
Dilution factor	1	
Surrogate - Bromochloro- methane (70-130 % Rec)	83 %	
QC Report ID	7626/5-17	

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LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
7626-3	EC-TB3 9-9-89	Client
PARAMETER	7626-3	
Aromatic Volatiles (8020)		
Benzene, ug/l	1.00	
Chlorobenzene, ug/l	1.00	
1,2-Dichlorobenzene, ug/l	1.00	
1,3-Dichlorobenzene, ug/l	1.00	
1,4-Dichlorobenzene, ug/l	1.00	
Ethylbenzene, ug/l	1.00	
Toluene, ug/l	1.00	
Xylenes, ug/l	1.00	
Column	1% SP-1000	
Date Collected	09.09.89	
Date Analyzed	09.19.89	
Dilution factor	1	
Surrogate - Trifluoro- toluene (70-130 % Rec)	112 %	
QC Report ID	7626/4-17	

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LOG NO	SAMPLE DESCRIPTION , QC SAMPLES	SAMPLED BY
7626-4	Method Blank	Client
7626-5	Matrix Spike/MSD added	
7626-6	Sample Concentration	
7626-7	MS Concentration	
7626-8	MS % Recovery	

PARAMETER	7626-4	7626-5	7626-6	7626-7	7626-8
Halogenated Volatiles (8010)					
Benzyl chloride, ug/l	1.00	—	—	—	—
bis(2-Chloroethoxy) methane, ug/l	1.00	—	—	—	—
bis(2-Chloro-1-methylethyl) ether, ug/l	1.00	—	—	—	—
Bromobenzene, ug/l	1.00	—	—	—	—
Bromodichloromethane, ug/l	1.00	—	—	—	—
Bromoform, ug/l	1.00	—	—	—	—
Bromomethane, ug/l	1.00	—	—	—	—
Carbon Tetrachloride, ug/l	1.00	—	—	—	—
Chloroacetaldehyde, ug/l	1.00	—	—	—	—
Chlorobenzene, ug/l	1.00	10	1.00	10.5	105 %
Chloroethane, ug/l	1.00	—	—	—	—
Chloroform, ug/l	1.00	—	—	—	—
1-Chlorohexane, ug/l	1.00	—	—	—	—
2-Chloroethylvinyl Ether, ug/l	1.00	—	—	—	—
Chloromethane, ug/l	1.00	—	—	—	—
Chloromethyl methyl ether, ug/l	1.00	—	—	—	—
Chlorotoluene, ug/l	1.00	—	—	—	—

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LOG NO	SAMPLE DESCRIPTION , QC SAMPLES	SAMPLED BY				
7626-4	Method Blank	Client				
7626-5	Matrix Spike/MSD added					
7626-6	Sample Concentration					
7626-7	MS Concentration					
7626-8	MS % Recovery					
PARAMETER	7626-4	7626-5	7626-6	7626-7	7626-8	
Dibromochloromethane, ug/l	1.00	—	—	—	—	
Dibromomethane, ug/l	1.00	—	—	—	—	
1,2-Dichlorobenzene, ug/l	1.00	—	—	—	—	
1,3-Dichlorobenzene, ug/l	1.00	—	—	—	—	
1,4-Dichlorobenzene, ug/l	1.00	—	—	—	—	
Dichlorodifluoromethane, ug/l	1.00	—	—	—	—	
1,1-Dichloroethane, ug/l	1.00	—	—	—	—	
1,2-Dichloroethane, ug/l	1.00	—	—	—	—	
1,1-Dichloroethene, ug/l	1.00	10	1.00	8.8	88	
1,2-Dichloroethylene, ug/l	1.00	—	—	—	—	
Dichloromethane, ug/l	1.00	—	—	—	—	
1,2-Dichloropropane, ug/l	1.00	—	—	—	—	
1,3-Dichloropropylene, ug/l	1.00	—	—	—	—	
1,1,2,2-Tetrachloroethane, ug/l	1.00	—	—	—	—	
1,1,1,2-Tetrachloroethane, ug/l	1.00	—	—	—	—	
Tetrachloroethylene, ug/l	1.00	—	—	—	—	
1,1,1-Trichloroethane, ug/l	1.00	—	—	—	—	
1,1,2-Trichloroethane, ug/l	1.00	—	—	—	—	
Trichloroethene, ug/l	1.00	10	1.00	8.7	87	

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LOG NO	SAMPLE DESCRIPTION , QC SAMPLES	SAMPLED BY
7626-4	Method Blank	Client
7626-5	Matrix Spike/MSD added	
7626-6	Sample Concentration	
7626-7	MS Concentration	
7626-8	MS % Recovery	

PARAMETER	7626-4	7626-5	7626-6	7626-7	7626-8
Trichlorofluoromethane, ug/l	1.00	—	—	—	—
Trichloropropane, ug/l	1.00	—	—	—	—
Vinyl Chloride, ug/l	1.00	—	—	—	—
Column	1% SP-1000	—	—	1% SP-1000	—
Date Analyzed	09.19.89	—	—	09.19.89	—
Dilution factor	1	—	—	1	—
Surrogate - Bromochloro- methane (70-130 % Rec)	93%	—	—	91%	—

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LOG NO	SAMPLE DESCRIPTION , QC SAMPLES	SAMPLED BY
7626-4	Method Blank	Client
7626-5	Matrix Spike/MSD added	
7626-6	Sample Concentration	
7626-7	MS Concentration	
7626-8	MS % Recovery	

PARAMETER	7626-4	7626-5	7626-6	7626-7	7626-8
Aromatic Volatiles (8020)					
Benzene, ug/l	1.0U	10	1.0U	10.6	106 %
Chlorobenzene, ug/l	1.0U	10	1.0U	10.5	105 %
1,2-Dichlorobenzene, ug/l	1.0U	—	—	—	—
1,3-Dichlorobenzene, ug/l	1.0U	—	—	—	—
1,4-Dichlorobenzene, ug/l	1.0U	—	—	—	—
Ethylbenzene, ug/l	1.0U	—	—	—	—
Toluene, ug/l	1.0U	10	1.0U	10.5	105 %
Xylenes, ug/l	1.0U	—	—	—	—
Column	1% SP-1000	—	—	1% SP-1000	—
Date Analyzed	09.19.89	—	—	09.19.89	—
Dilution factor	1	—	—	1	—
Surrogate - Trifluoro- toluene (70-130 % Rec)	95 %	—	—	104 %	—
Lead (239.2/7420)					
Lead , mg/l	0.0050 U	.020/.020	0.0050U	0.021	105 %
Date Analyzed	10.05.89	—	10.05.89	10.05.89	—

Methods: EPA SW-846

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LOG NO	SAMPLE DESCRIPTION , QC SAMPLES	SAMPLED BY
7626-9	MSD Concentration	Client
7626-10	MSD % Recovery	
7626-11	Recovery Limit	
7626-12	% RPD	
7626-13	% RPD Limit	

PARAMETER	7626-9	7626-10	7626-11	7626-12	7626-13
Halogenated Volatiles (8010)					
Chlorobenzene, ug/l	10.3	103 %	56-144 %	1.9 %	0-30 %
1,1-Dichloroethene, ug/l	8.4	84 %	75-125 %	4.7 %	0-30 %
Trichloroethene, ug/l	10.3	103 %	65-135 %	3.5 %	0-30 %
Column	1% SP-1000	—	—	—	—
Date Analyzed	09.19.89	—	—	—	—
Dilution factor	1	—	—	—	—
Surrogate - Bromochloro- methane (70-130 % Rec)	97 %	—	—	—	—
Aromatic Volatiles (8020)					
Benzene, ug/l	10.3	103 %	75-125 %	2.9 %	0-30 %
Chlorobenzene, ug/l	10.3	103 %	56-144 %	1.9 %	0-30 %
Toluene, ug/l	10.0	100 %	70-130 %	4.9 %	0-30 %
Column	1% SP-1000	—	—	—	—
Date Analyzed	09.19.89	—	—	—	—
Dilution factor	1	—	—	—	—
Surrogate - Trifluoro- toluene (70-130 % Rec)	88 %	—	—	—	—

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LOG NO: 89-7626

Received: 11 SEP 89

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Project: AT103 Battle Creek ANGB, Michigan

REPORT OF ANALYTICAL RESULTS

Page 12

LOG NO	SAMPLE DESCRIPTION , QC SAMPLES				SAMPLED BY
7626-9	MSD Concentration				Client
7626-10	MSD % Recovery				
7626-11	Recovery Limit				
7626-12	% RPD				
7626-13	% RPD Limit				
PARAMETER	7626-9	7626-10	7626-11	7626-12	7626-13
Lead (239.2/7420)					
Lead , mg/l	0.020	100 %	75-125 %	4.9 %	0-20 %
Date Analyzed	10.05.89	—	—	—	—

Methods: EPA SW-846

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REPORT OF ANALYTICAL RESULTS

Page 13

LOG NO	SAMPLE DESCRIPTION , QC SAMPLES	SAMPLED BY			
7626-14	Blank Spike Added	Client			
7626-15	Blank Spike Concentration				
7626-16	Blank Spike (% Rec)				
7626-17	Blank Spike Control Limit				
PARAMETER	7626-14	7626-15	7626-16	7626-17	
Halogenated Volatiles (8010)					
Chlorobenzene, ug/l	10	10.6	106 %	56-144 %	
1,1-Dichloroethene, ug/l	10	9.9	99 %	75-125 %	
Trichloroethene, ug/l	10	10.5	105 %	65-135 %	
Column	1% SP-1000		—	—	
Date Analyzed	09.19.89		—	—	
Dilution factor	1		—	—	
Surrogate - Bromochloro- methane (70-130 % Rec)	113 %		—	—	
Aromatic Volatiles (8020)					
Benzene, ug/l	10	10.7	107 %	75-125 %	
Chlorobenzene, ug/l	10	11.0	110 %	56-144 %	
Toluene, ug/l	10	10.6	106 %	70-130 %	
Column	1% SP-1000		—	—	
Date Analyzed	09.19.89		—	—	
Dilution factor	1		—	—	
Surrogate - Trifluoro- toluene (70-130 % Rec)	111 %		—	—	
Lead (239.2/7420)					
Lead , mg/l	0.020	0.019	95 %	75-125 %	
Date Analyzed	10.05.89		—	—	

Methods: EPA SW-846

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REPORT OF ANALYTICAL RESULTS

Page 1

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES					SAMPLED BY
7651-1	BC-MW1	9-10-89				Client
7651-2	BC-MW8	9-10-89				
7651-3	BC-MW2	9-10-89				
7651-4	BC-MW4	9-10-89				
7651-5	BC-MW9	9-11-89				
PARAMETER						
	7651-1	7651-2	7651-3	7651-4	7651-5	
Halogenated Volatiles (8010)						
Benzyl chloride, ug/l	1.0U	1.0U	1.0U	1.0U	1.0U	
bis(2-Chloroethoxy) methane, ug/l	1.0U	1.0U	1.0U	1.0U	1.0U	
bis(2-Chloro-1-methylethyl) ether, ug/l	1.0U	1.0U	1.0U	1.0U	1.0U	
Bromobenzene, ug/l	1.0U	1.0U	1.0U	1.0U	1.0U	
Bromodichloromethane, ug/l	1.0U	1.0U	1.0U	1.0U	1.0U	
Bromoform, ug/l	1.0U	1.0U	1.0U	1.0U	1.0U	
Bromomethane, ug/l	1.0U	1.0U	1.0U	1.0U	1.0U	
Carbon Tetrachloride, ug/l	1.0U	1.0U	1.0U	1.0U	1.0U	
Chloroacetaldehyde, ug/l	1.0U	1.0U	1.0U	1.0U	1.0U	
Chlorobenzene, ug/l	1.0U	1.0U	1.0U	1.0U	1.0U	
Chloroethane, ug/l	1.0U	1.0U	1.0U	1.0U	1.0U	
Chloroform, ug/l	1.0U	1.0U	1.0U	1.0U	1.0U	
1-Chlorohexane, ug/l	1.0U	1.0U	1.0U	1.0U	1.0U	
2-Chloroethylvinyl Ether, ug/l	1.0U	1.0U	1.0U	1.0U	1.0U	
Chloromethane, ug/l	1.0U	1.0U	1.0U	1.0U	1.0U	
Chloromethyl methyl ether, ug/l	1.0U	1.0U	1.0U	1.0U	1.0U	
Chlorotoluene, ug/l	1.0U	1.0U	1.0U	1.0U	1.0U	

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REPORT OF ANALYTICAL RESULTS

Page 2

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
7651-1	BC-MW1 9-10-89	Client
7651-2	BC-MW8 9-10-89	
7651-3	BC-MW2 9-10-89	
7651-4	BC-MW4 9-10-89	
7651-5	BC-MW9 9-11-89	

PARAMETER	7651-1	7651-2	7651-3	7651-4	7651-5
Dibromochloromethane, ug/l	1.0U	1.0U	1.0U	1.0U	1.0U
Dibromomethane, ug/l	1.0U	1.0U	1.0U	1.0U	1.0U
1,2-Dichlorobenzene, ug/l	1.0U	1.0U	1.0U	1.0U	1.0U
1,3-Dichlorobenzene, ug/l	1.0U	1.0U	1.0U	1.0U	1.0U
1,4-Dichlorobenzene, ug/l	1.0U	1.0U	1.0U	1.0U	1.0U
Dichlorodifluoromethane, ug/l	1.0U	1.0U	1.0U	1.0U	1.0U
1,1-Dichloroethane, ug/l	1.0U	1.0U	1.0U	1.0U	1.0U
1,2-Dichloroethane, ug/l	1.0U	1.0U	1.0U	1.0U	1.0U
1,1-Dichloroethene, ug/l	1.0U	1.0U	1.0U	1.0U	1.0U
1,2-Dichloroethylene, ug/l	1.0U	1.0U	1.0U	1.0U	1.0U
Dichloromethane, ug/l	1.0U	1.0U	1.0U	1.0U	1.0U
1,2-Dichloropropane, ug/l	1.0U	1.0U	1.0U	1.0U	1.0U
1,3-Dichloropropylene, ug/l	1.0U	1.0U	1.0U	1.0U	1.0U
1,1,2,2-Tetrachloroethane, ug/l	1.0U	1.0U	1.0U	1.0U	1.0U
1,1,1,2-Tetrachloroethane, ug/l	1.0U	1.0U	1.0U	1.0U	1.0U
Tetrachloroethylene, ug/l	1.0U	1.0U	1.0U	1.0U	1.0U
1,1,1-Trichloroethane, ug/l	1.0U	1.0U	1.0U	2.6/0.96	1.0U
1,1,2-Trichloroethane, ug/l	1.0U	1.0U	1.0U	1.0U	1.0U
Trichloroethene, ug/l	1.0U	1.0U	1.0U	1.8/3.2	1.0U

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REPORT OF ANALYTICAL RESULTS

Page 3

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES					SAMPLED BY
7651-1	BC-MW1	9-10-89				Client
7651-2	BC-MW8	9-10-89				
7651-3	BC-MW2	9-10-89				
7651-4	BC-MW4	9-10-89				
7651-5	BC-MW9	9-11-89				
PARAMETER	7651-1	7651-2	7651-3	7651-4	7651-5	
Trichlorofluoromethane, ug/l	1.0U	1.0U	1.0U	1.0U	1.0U	
Trichloropropane, ug/l	1.0U	1.0U	1.0U	1.0U	1.0U	
Vinyl Chloride, ug/l	1.0U	1.0U	1.0U	1.0U	1.0U	
Column	1% SP-1000	1% SP-1000	1% SP-1000	1% SP-1000	1% SP-1000	
Date Collected	09.10.89	09.10.89	09.10.89	09.10.89	09.11.89	
Date Analyzed	09.20.89	09.20.89	09.20.89	09.20.89	09.20.89	
Dilution factor	1	1	1	1	1	
Surrogate - Bromochloro- methane (70-130 % Rec)	90 %	90 %	92 %	77 %	89 %	
QC Report ID	7651/14-27	7651/14-27	7651/14-27	7651/14-27	7651/14-27	
2nd Column	—	—	—	CAP	—	
Date Confirmed (2nd Column)	—	—	—	09.20.89	—	

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REPORT OF ANALYTICAL RESULTS

Page 4

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES					SAMPLED BY
7651-1	BC-MW1	9-10-89				Client
7651-2	BC-MW8	9-10-89				
7651-3	BC-MW2	9-10-89				
7651-4	BC-MW4	9-10-89				
7651-5	BC-MW9	9-11-89				
PARAMETER	7651-1	7651-2	7651-3	7651-4	7651-5	
Aromatic Volatiles (8020)						
Benzene, ug/l	1.0U	1.0U	1.0U	1.0U	1.0U	
Chlorobenzene, ug/l	1.0U	1.0U	1.0U	1.0U	1.0U	
1,2-Dichlorobenzene, ug/l	1.0U	1.0U	1.0U	1.0U	1.0U	
1,3-Dichlorobenzene, ug/l	1.0U	1.0U	1.0U	1.0U	1.0U	
1,4-Dichlorobenzene, ug/l	1.0U	1.0U	1.0U	1.0U	1.0U	
Ethylbenzene, ug/l	1.0U	1.0U	1.0U	1.0U	1.0U	
Toluene, ug/l	1.0U	1.0U	1.0U	1.0U	1.0U	
Xylenes, ug/l	1.0U	1.0U	1.0U	1.0U	1.0U	
Column	1% SP-1000	1% SP-1000	1% SP-1000	1% SP-1000	1% SP-1000	
Date Collected	09.10.89	09.10.89	09.10.89	09.10.89	09.11.89	
Date Analyzed	09.20.89	09.20.89	09.20.89	09.20.89	09.20.89	
Dilution factor	1	1	1	1	1	
Surrogate - Trifluoro- toluene (70-130 % Rec)	119 %	112 %	118 %	115 %	116 %	
QC Report ID	7651/14-27	7651/14-27	7651/14-27	7651/14-27	7651/14-27	

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REPORT OF ANALYTICAL RESULTS

Page 5

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES					SAMPLED BY
7651-1	BC-MW1	9-10-89				Client
7651-2	BC-MW8	9-10-89				
7651-3	BC-MW2	9-10-89				
7651-4	BC-MW4	9-10-89				
7651-5	BC-MW9	9-11-89				
PARAMETER	7651-1	7651-2	7651-3	7651-4	7651-5	
Lead (239.2/7420)						
Lead , mg/l	0.0050U	0.0050U	0.0050U	0.0050U	0.0050U	
Date Collected	09.10.89	09.10.89	09.10.89	09.10.89	09.11.89	
Date Analyzed	10.02.89	10.02.89	10.02.89	10.02.89	10.02.89	
Dilution factor	1	1	1	1	1	
QC Report ID	7651/14-27	7651/14-27	7651/14-27	7651/14-27	7651/14-27	

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REPORT OF ANALYTICAL RESULTS

Page 6

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY				
7651-6	BC-MW13 (Metals 9-10; VOA 9-11)	Client				
7651-7	BC-MW3 9-11-89					
7651-8	BC-MW5 9-11-89					
7651-9	BC6-MW1 9-11-89					
7651-10	BC6-MW2 9-11-89					
PARAMETER	7651-6	7651-7	7651-8	7651-9	7651-10	
Halogenated Volatiles (8010)						
Benzyl chloride, ug/l	1.0U	1.0U	1.0U	1.0U	1.0U	
bis(2-Chloroethoxy) methane, ug/l	1.0U	1.0U	1.0U	1.0U	1.0U	
bis(2-Chloro-1-methylethyl) ether, ug/l	1.0U	1.0U	1.0U	1.0U	1.0U	
Bromobenzene, ug/l	1.0U	1.0U	1.0U	1.0U	1.0U	
Bromodichloromethane, ug/l	1.0U	1.0U	1.0U	1.0U	1.0U	
Bromoform, ug/l	1.0U	1.0U	1.0U	1.0U	1.0U	
Bromomethane, ug/l	1.0U	1.0U	1.0U	1.0U	1.0U	
Carbon Tetrachloride, ug/l	1.0U	1.0U	1.0U	1.0U	1.0U	
Chloroacetaldehyde, ug/l	1.0U	1.0U	1.0U	1.0U	1.0U	
Chlorobenzene, ug/l	1.0U	1.0U	1.0U	1.0U	1.0U	
Chloroethane, ug/l	1.0U	1.0U	1.0U	1.0U	1.0U	
Chloroform, ug/l	1.0U	1.0U	1.0U	1.0U	1.0U	
1-Chlorohexane, ug/l	1.0U	1.0U	1.0U	1.0U	1.0U	
2-Chloroethylvinyl Ether, ug/l	1.0U	1.0U	1.0U	1.0U	1.0U	
Chloromethane, ug/l	1.0U	1.0U	1.0U	1.0U	1.0U	
Chloromethyl methyl ether, ug/l	1.0U	1.0U	1.0U	1.0U	1.0U	
Chlorotoluene, ug/l	1.0U	1.0U	1.0U	1.0U	1.0U	

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REPORT OF ANALYTICAL RESULTS

Page 7

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY				
7651-6	BC-MW13 (Metals 9-10; VOA 9-11)	Client				
7651-7	BC-MW3 9-11-89					
7651-8	BC-MW5 9-11-89					
7651-9	BC6-MW1 9-11-89					
7651-10	BC6-MW2 9-11-89					
PARAMETER	7651-6	7651-7	7651-8	7651-9	7651-10	
Dibromochloromethane, ug/l	1.00	1.00	1.00	1.00	1.00	
Dibromomethane, ug/l	1.00	1.00	1.00	1.00	1.00	
1,2-Dichlorobenzene, ug/l	1.00	1.00	1.00	1.00	1.00	
1,3-Dichlorobenzene, ug/l	1.00	1.00	1.00	1.00	1.00	
1,4-Dichlorobenzene, ug/l	1.00	1.00	1.00	1.00	1.00	
Dichlorodifluoromethane, ug/l	1.00	1.00	1.00	1.00	1.00	
1,1-Dichloroethane, ug/l	1.00	1.00	1.00	1.00	1.00	
1,2-Dichloroethane, ug/l	1.00	1.00	1.00	1.00	1.00	
1,1-Dichloroethane, ug/l	1.00	1.00	1.00	1.00	1.00	
1,2-Dichloroethylene, ug/l	1.00	1.00	1.00	1.00	1.00	
Dichloromethane, ug/l	1.00	1.00	1.00	1.00	1.00	
1,2-Dichloropropane, ug/l	1.00	1.00	1.00	1.00	1.00	
1,3-Dichloropropylene, ug/l	1.00	1.00	1.00	1.00	1.00	
1,1,2,2-Tetrachloroethane, ug/l	1.00	1.00	1.00	1.00	1.00	
1,1,1,2-Tetrachloroethane, ug/l	1.00	1.00	1.00	1.00	1.00	
Tetrachloroethylene, ug/l	1.00	1.00	1.00	1.00	1.00	
1,1,1-Trichloroethane, ug/l	1.00	1.00	1.00	1.00	1.00	
1,1,2-Trichloroethane, ug/l	1.00	1.00	1.00	1.00	1.00	
Trichloroethane, ug/l	1.00	1.00	8.2/10	1.00	1.00	

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REPORT OF ANALYTICAL RESULTS

Page 8

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES				SAMPLED BY
7651-6	BC-MW13 (Metals 9-10; VOA 9-11)				Client
7651-7	BC-MW3 9-11-89				
7651-8	BC-MW5 9-11-89				
7651-9	BC6-MW1 9-11-89				
7651-10	BC6-MW2 9-11-89				
PARAMETER	7651-6	7651-7	7651-8	7651-9	7651-10
Trichlorofluoromethane, ug/l	1.0U	1.0U	1.0U	1.0U	1.0U
Trichloropropane, ug/l	1.0U	1.0U	1.0U	1.0U	1.0U
Vinyl Chloride, ug/l	1.0U	1.0U	1.0U	1.0U	1.0U
Column	1% SP-1000	1% SP-1000	1% SP-1000	1% SP-1000	1% SP-1000
Date Collected	09.11.89	09.11.89	09.11.89	09.11.89	09.11.89
Date Analyzed	09.20.89	09.20.89	09.20.89	09.20.89	09.20.89
Dilution factor	1	1	1	1	1
Surrogate - Bromochloro- methane (70-130 % Rec)	91 %	87 %	77 %	73 %	82 %
QC Report ID	7651/14-27	7651/14-27	7651/14-27	7651/14-27	7651/14-27
2nd Column	—	—	CAP	—	—
Date Confirmed (2nd Column)	—	—	09.20.89	—	—

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REPORT OF ANALYTICAL RESULTS

Page 9

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
7651-6	BC-MW13 (Metals 9-10; VOA 9-11)	Client
7651-7	BC-MW3 9-11-89	
7651-8	BC-MW5 9-11-89	
7651-9	BC6-MW1 9-11-89	
7651-10	BC6-MW2 9-11-89	

PARAMETER	7651-6	7651-7	7651-8	7651-9	7651-10
Aromatic Volatiles (8020)					
Benzene, ug/l	1.0U	1.0U	1.0U	1.0U	1.0U
Chlorobenzene, ug/l	1.0U	1.0U	1.0U	1.0U	1.0U
1,2-Dichlorobenzene, ug/l	1.0U	1.0U	1.0U	1.0U	1.0U
1,3-Dichlorobenzene, ug/l	1.0U	1.0U	1.0U	1.0U	1.0U
1,4-Dichlorobenzene, ug/l	1.0U	1.0U	1.0U	1.0U	1.0U
Ethylbenzene, ug/l	1.0U	1.0U	1.0U	1.0U	1.0U
Toluene, ug/l	1.0U	1.0U	1.0U	1.0U	1.0U
Xylenes, ug/l	1.0U	1.0U	1.0U	1.0U	1.0U
Column	1% SP-1000	1% SP-1000	1% SP-1000	1% SP-1000	1% SP-1000
Date Collected	09.11.89	09.11.89	09.11.89	09.11.89	09.11.89
Date Analyzed	09.20.89	09.20.89	09.20.89	09.20.89	09.20.89
Dilution factor	1	1	1	1	1
Surrogate - Trifluoro- toluene (70-130 % Rec)	114 %	117 %	108 %	103 %	119 %
QC Report ID	7651/14-27	7651/14-27	7651/14-27	7651/14-27	7651/14-27

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LOG NO: 89-7651

Received: 12 SEP 89

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Project: AT103 Battle Creek ANGB, Michigan

REPORT OF ANALYTICAL RESULTS

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LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY				
7651-6	BC-MW13 (Metals 9-10; VOA 9-11)	Client				
7651-7	BC-MW3 9-11-89					
7651-8	BC-MW5 9-11-89					
7651-9	BC6-MW1 9-11-89					
7651-10	BC6-MW2 9-11-89					
PARAMETER	7651-6	7651-7	7651-8	7651-9	7651-10	
Lead (239.2/7420)						
Lead , mg/l	0.0050U	0.0050U	0.0050U	0.0050U	0.0050U	
Date Collected	09.10.89	09.11.89	09.11.89	09.11.89	09.11.89	
Date Analyzed	10.02.89	10.02.89	10.02.89	10.02.89	10.02.89	
Dilution factor	1	1	1	1	1	
QC Report ID	7651/14-27	7651/14-27	7651/14-27	7651/14-27	7651/14-27	

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LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY	
7651-11	BC6-MW3 9-11-89	Client	
7651-12	BC-MW10 9-11-89		
PARAMETER		7651-11	7651-12
Halogenated Volatiles (8010)			
Benzyl chloride, ug/l		1.00	1.00
bis(2-Chloroethoxy) methane, ug/l		1.00	1.00
bis(2-Chloro-1-methylethyl) ether, ug/l		1.00	1.00
Bromobenzene, ug/l		1.00	1.00
Bromodichloromethane, ug/l		1.00	1.00
Bromoform, ug/l		1.00	1.00
Bromomethane, ug/l		1.00	1.00
Carbon Tetrachloride, ug/l		1.00	1.00
Chloroacetaldehyde, ug/l		1.00	1.00
Chlorobenzene, ug/l		1.00	1.00
Chloroethane, ug/l		1.00	1.00
Chloroform, ug/l		1.00	1.00
1-Chlorohexane, ug/l		1.00	1.00
2-Chloroethylvinyl Ether, ug/l		1.00	1.00
Chloromethane, ug/l		1.00	1.00
Chloromethyl methyl ether, ug/l		1.00	1.00
Chlorotoluene, ug/l		1.00	1.00
Dibromochloromethane, ug/l		1.00	1.00
Dibromomethane, ug/l		1.00	1.00
1,2-Dichlorobenzene, ug/l		1.00	1.00
1,3-Dichlorobenzene, ug/l		1.00	1.00

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LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY	
7651-11	BC6-MW3 9-11-89	Client	
7651-12	BC-MW10 9-11-89		
PARAMETER		7651-11	7651-12
1,4-Dichlorobenzene, ug/l		1.0U	1.0U
Dichlorodifluoromethane, ug/l		1.0U	1.0U
1,1-Dichloroethane, ug/l		1.0U	1.0U
1,2-Dichloroethane, ug/l		1.0U	1.0U
1,1-Dichloroethene, ug/l		1.0U	1.0U
1,2-Dichloroethylene, ug/l		1.0U	1.0U
Dichloromethane, ug/l		1.0U	1.0U
1,2-Dichloropropane, ug/l		1.0U	1.0U
1,3-Dichloropropylene, ug/l		1.0U	1.0U
1,1,2,2-Tetrachloroethane, ug/l		1.0U	1.0U
1,1,1,2-Tetrachloroethane, ug/l		1.0U	1.0U
Tetrachloroethylene, ug/l		1.0U	1.0U
1,1,1-Trichloroethane, ug/l		1.0U	1.0U
1,1,2-Trichloroethane, ug/l		1.0U	1.0U
Trichloroethene, ug/l		1.0U	1.0U
Trichlorofluoromethane, ug/l		1.0U	1.0U
Trichloropropane, ug/l		1.0U	1.0U
Vinyl Chloride, ug/l		1.0U	1.0U
Column		1% SP-1000	1% SP-1000
Date Collected		09.11.89	09.11.89
Date Analyzed		09.20.89	09.20.89
Dilution factor		1	1
Surrogate - Bromochloro- methane (70-130 % Rec)		86 %	91 %
QC Report ID		7651/14-27	7651/14-27

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LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
7651-11	BC6-MW3 9-11-89	Client
7651-12	BC-MW10 9-11-89	

PARAMETER	7651-11	7651-12
Aromatic Volatiles (8020)		
Benzene, ug/l	1.0U	1.0U
Chlorobenzene, ug/l	1.0U	1.0U
1,2-Dichlorobenzene, ug/l	1.0U	1.0U
1,3-Dichlorobenzene, ug/l	1.0U	1.0U
1,4-Dichlorobenzene, ug/l	1.0U	1.0U
Ethylbenzene, ug/l	1.0U	1.0U
Toluene, ug/l	1.0U	1.0U
Xylenes, ug/l	1.0U	1.0U
Column	1% SP-1000	1% SP-1000
Date Collected	09.11.89	09.11.89
Date Analyzed	09.20.89	09.20.89
Dilution factor	1	1
Surrogate - Trifluoro- toluene (70-130 % Rec)	118 %	114 %
QC Report ID	7651/14-27	7651/14-27
Lead (239.2/7420)		
Lead , mg/l	0.0050	0.0050
Date Collected	09.11.89	09.11.89
Date Analyzed	10.02.89	10.02.89

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REPORT OF ANALYTICAL RESULTS

Page 14

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
7651-13	BC-TB4 9-10-89	Client
PARAMETER	7651-13	
Halogenated Volatiles (8010)		
Benzyl chloride, ug/l	1.00	
bis(2-Chloroethoxy) methane, ug/l	1.00	
bis(2-Chloro-1-methylethyl) ether, ug/l	1.00	
Bromobenzene, ug/l	1.00	
Bromodichloromethane, ug/l	1.00	
Bromoform, ug/l	1.00	
Bromomethane, ug/l	1.00	
Carbon Tetrachloride, ug/l	1.00	
Chloroacetaldehyde, ug/l	1.00	
Chlorobenzene, ug/l	1.00	
Chloroethane, ug/l	1.00	
Chloroform, ug/l	1.00	
1-Chlorohexane, ug/l	1.00	
2-Chloroethylvinyl Ether, ug/l	1.00	
Chloromethane, ug/l	1.00	
Chloromethyl methyl ether, ug/l	1.00	
Chlorotoluene, ug/l	1.00	
Dibromochloromethane, ug/l	1.00	
Dibromomethane, ug/l	1.00	
1,2-Dichlorobenzene, ug/l	1.00	
1,3-Dichlorobenzene, ug/l	1.00	
1,4-Dichlorobenzene, ug/l	1.00	

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LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
7651-13	BC-TB4 9-10-89	Client
PARAMETER	7651-13	
Dichlorodifluoromethane, ug/l	1.00	
1,1-Dichloroethane, ug/l	1.00	
1,2-Dichloroethane, ug/l	1.00	
1,1-Dichloroethene, ug/l	1.00	
1,2-Dichloroethylene, ug/l	1.00	
Dichloromethane, ug/l	1.00	
1,2-Dichloropropane, ug/l	1.00	
1,3-Dichloropropylene, ug/l	1.00	
1,1,2,2-Tetrachloroethane, ug/l	1.00	
1,1,1,2-Tetrachloroethane, ug/l	1.00	
Tetrachloroethylene, ug/l	1.00	
1,1,1-Trichloroethane, ug/l	1.00	
1,1,2-Trichloroethane, ug/l	1.00	
Trichloroethene, ug/l	1.00	
Trichlorofluoromethane, ug/l	1.00	
Trichloropropane, ug/l	1.00	
Vinyl Chloride, ug/l	1.00	
Column	1% SP-1000	
Date Collected	09.10.89	
Date Analyzed	09.19.89	
Dilution factor	1	
Surrogate - Bromochloro- methane (70-130 % Rec)	82 %	
QC Report ID	7651/14-27	

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REPORT OF ANALYTICAL RESULTS

Page 16

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
7651-13	BC-TB4 9-10-89	Client
PARAMETER	7651-13	
Aromatic Volatiles (8020)		
Benzene, ug/l	1.00	
Chlorobenzene, ug/l	1.00	
1,2-Dichlorobenzene, ug/l	1.00	
1,3-Dichlorobenzene, ug/l	1.00	
1,4-Dichlorobenzene, ug/l	1.00	
Ethylbenzene, ug/l	1.00	
Toluene, ug/l	1.00	
Xylenes, ug/l	1.00	
Column	1% SP-1000	
Date Collected	09.10.89	
Date Analyzed	09.19.89	
Dilution factor	1	
Surrogate - Trifluoro- toluene (70-130 % Rec)	126%	
QC Report ID	7651/14-27	

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REPORT OF ANALYTICAL RESULTS

Page 17

LOG NO	SAMPLE DESCRIPTION , QC SAMPLES	SAMPLED BY
7651-14	Method Blank	Client
7651-15	Matrix Spike/MSD Added	
7651-16	Sample Concentration	
7651-17	MS Concentration	
7651-18	MS % Recovery	

PARAMETER	7651-14	7651-15	7651-16	7651-17	7651-18
Halogenated Volatiles (8010)					
Benzyl chloride, ug/l	1.00	—	—	—	—
bis(2-Chloroethoxy) methane, ug/l	1.00	—	—	—	—
bis(2-Chloro-1-methylethyl) ether, ug/l	1.00	—	—	—	—
Bromobenzene, ug/l	1.00	—	—	—	—
Bromodichloromethane, ug/l	1.00	—	—	—	—
Bromoform, ug/l	1.00	—	—	—	—
Bromomethane, ug/l	1.00	—	—	—	—
Carbon Tetrachloride, ug/l	1.00	—	—	—	—
Chloroacetaldehyde, ug/l	1.00	—	—	—	—
Chlorobenzene, ug/l	1.00	10	1.00	10.7	107 %
Chloroethane, ug/l	1.00	—	—	—	—
Chloroform, ug/l	1.00	—	—	—	—
1-Chlorohexane, ug/l	1.00	—	—	—	—
2-Chloroethylvinyl Ether, ug/l	1.00	—	—	—	—
Chloromethane, ug/l	1.00	—	—	—	—
Chloromethyl methyl ether, ug/l	1.00	—	—	—	—
Chlorotoluene, ug/l	1.00	—	—	—	—

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REPORT OF ANALYTICAL RESULTS

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LOG NO	SAMPLE DESCRIPTION , QC SAMPLES	SAMPLED BY
7651-14	Method Blank	Client
7651-15	Matrix Spike/MSD Added	
7651-16	Sample Concentration	
7651-17	MS Concentration	
7651-18	MS % Recovery	

PARAMETER	7651-14	7651-15	7651-16	7651-17	7651-18
Dibromochloromethane, ug/l	1.00	—	—	—	—
Dibromomethane, ug/l	1.00	—	—	—	—
1,2-Dichlorobenzene, ug/l	1.00	—	—	—	—
1,3-Dichlorobenzene, ug/l	1.00	—	—	—	—
1,4-Dichlorobenzene, ug/l	1.00	—	—	—	—
Dichlorodifluoromethane, ug/l	1.00	—	—	—	—
1,1-Dichloroethane, ug/l	1.00	—	—	—	—
1,2-Dichloroethane, ug/l	1.00	—	—	—	—
1,1-Dichloroethene, ug/l	1.00	10	1.00	7.6	76 %
1,2-Dichloroethylene, ug/l	1.00	—	—	—	—
Dichloromethane, ug/l	1.00	—	—	—	—
1,2-Dichloropropane, ug/l	1.00	—	—	—	—
1,3-Dichloropropylene, ug/l	1.00	—	—	—	—
1,1,2,2-Tetrachloroethane, ug/l	1.00	—	—	—	—
1,1,1,2-Tetrachloroethane, ug/l	1.00	—	—	—	—
Tetrachloroethylene, ug/l	1.00	—	—	—	—
1,1,1-Trichloroethane, ug/l	1.00	—	—	—	—
1,1,2-Trichloroethane, ug/l	1.00	—	—	—	—
Trichloroethene, ug/l	1.00	10	1.00	9.1	91 %

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LOG NO	SAMPLE DESCRIPTION , QC SAMPLES	SAMPLED BY
7651-14	Method Blank	Client
7651-15	Matrix Spike/MSD Added	
7651-16	Sample Concentration	
7651-17	MS Concentration	
7651-18	MS % Recovery	

PARAMETER	7651-14	7651-15	7651-16	7651-17	7651-18
Trichlorofluoromethane, ug/l	1.00	—	—	—	—
Trichloropropane, ug/l	1.00	—	—	—	—
Vinyl Chloride, ug/l	1.00	—	—	—	—
Column	1% SP-1000	—	—	1% SP-1000	—
Date Analyzed	09.20.89	—	—	09.20.89	—
Dilution factor	1	—	—	1	—
Surrogate - Bromochloro- methane (70-130 % Rec)	126 %	—	—	99 %	—

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REPORT OF ANALYTICAL RESULTS

Page 20

LOG NO	SAMPLE DESCRIPTION , QC SAMPLES	SAMPLED BY
7651-14	Method Blank	Client
7651-15	Matrix Spike/MSD Added	
7651-16	Sample Concentration	
7651-17	MS Concentration	
7651-18	MS % Recovery	

PARAMETER	7651-14	7651-15	7651-16	7651-17	7651-18
Aromatic Volatiles (8020)					
Benzene, ug/l	1.00	10	1.00	10.3	103 %
Chlorobenzene, ug/l	1.00	10	1.00	11.0	110 %
1,2-Dichlorobenzene, ug/l	1.00	—	—	—	—
1,3-Dichlorobenzene, ug/l	1.00	—	—	—	—
1,4-Dichlorobenzene, ug/l	1.00	—	—	—	—
Ethylbenzene, ug/l	1.00	—	—	—	—
Toluene, ug/l	1.00	10	1.00	10.3	103 %
Xylenes, ug/l	1.00	—	—	—	—
Column	1% SP-1000	—	—	1% SP-1000	—
Date Analyzed	09.20.89	—	—	09.20.89	—
Dilution factor	1	—	—	1	—
Surrogate - Trifluoro- toluene (70-130 % Rec)	112 %	—	—	108 %	—
Lead (239.2/7420)					
Lead, mg/l	0.0050U	.020/.020	0.0050U	0.019	95 %
Date Analyzed	10.02.89	—	—	10.02.89	—

Methods: EPA SW-846

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REPORT OF ANALYTICAL RESULTS

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LOG NO	SAMPLE DESCRIPTION , QC SAMPLES	SAMPLED BY
7651-19	MSD Concentration	Client
7651-20	MSD % Recovery	
7651-21	Recovery Limit	
7651-22	% RPD	
7651-23	% RPD Limit	

PARAMETER	7651-19	7651-20	7651-21	7651-22	7651-23
Halogenated Volatiles (8010)					
Chlorobenzene, ug/l	10.6	106 %	56-144 %	0.94 %	0-30 %
1,1-Dichloroethene, ug/l	7.5	75 %	75-125 %	1.3 %	0-30 %
Trichloroethene, ug/l	9.1	91 %	65-135 %	0 %	0-30 %
Column	1% SP-1000	—	—	—	—
Date Analyzed	09.22.89	—	—	—	—
Dilution factor	1	—	—	—	—
Surrogate - Bromochloro- methane (70-130 % Rec)	97 %	—	—	—	—
Aromatic Volatiles (8020)					
Benzene, ug/l	10.3	103 %	75-125 %	0 %	0-30 %
Chlorobenzene, ug/l	10.6	106 %	56-144 %	0.94 %	0-30 %
Toluene, ug/l	10.3	103 %	70-130 %	0 %	0-30 %
Column	1% SP-1000	—	—	—	—
Date Analyzed	09.22.89	—	—	—	—
Dilution factor	1	—	—	—	—
Surrogate - Trifluoro- toluene (70-130 % Rec)	103 %	—	—	—	—

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LOG NO	SAMPLE DESCRIPTION , QC SAMPLES	SAMPLED BY				
7651-19	MSD Concentration	Client				
7651-20	MSD % Recovery					
7651-21	Recovery Limit					
7651-22	% RPD					
7651-23	% RPD Limit					
PARAMETER	7651-19	7651-20	7651-21	7651-22	7651-23	
Lead (239.2/7420)						
Lead , mg/l	0.020	100 %	75-125 %	5.1 %	0-20 %	
Date Analyzed	10.02.89	—	—	—	—	

Methods: EPA SW-846

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LOG NO: 89-7651

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REPORT OF ANALYTICAL RESULTS

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LOG NO	SAMPLE DESCRIPTION , QC SAMPLES	SAMPLED BY
7651-24	Blank Spike Added	Client
7651-25	Blank Spike Concentration	
7651-26	Blank Spike (% Rec)	
7651-27	Blank Spike Control Limit	

PARAMETER	7651-24	7651-25	7651-26	7651-27
Halogenated Volatiles (8010)				
Chlorobenzene, ug/l	10	11.0	110 %	56-144 %
1,1-Dichloroethene, ug/l	10	7.9	79 %	75-125 %
Trichloroethene, ug/l	10	9.5	95 %	65-135 %
Column	1% SP-1000		—	—
Date Analyzed	09.20.89		—	—
Dilution factor	1		—	—
Surrogate - Bromochloro- methane (70-130 % Rec)	102 %		—	—
Aromatic Volatiles (8020)				
Benzene, ug/l	10	10.7	107 %	75-125 %
Chlorobenzene, ug/l	10	11.0	110 %	56-144 %
Toluene, ug/l	10	10.6	106 %	70-130 %
Column	1% SP-1000		—	—
Date Analyzed	09.20.89		—	—
Dilution factor	1		—	—
Surrogate - Trifluoro- toluene (70-130 % Rec)	110 %		—	—
Lead (239.2/7420)				
Lead , mg/l	0.010	0.0095	95 %	75-125 %
Date Analyzed	10.02.89		—	—

Methods: EPA SW-846

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REPORT OF ANALYTICAL RESULTS

Page 1

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
7681	BC-BR3 9-12-89	Client
7681-2	BC4-MW1 9-12-89	
7681-3	BC4-MW2 9-12-89	
7681-4	BC4-MW3 9-12-89	
7681-5	BC4-MW4 9-12-89	

PARAMETER	7681-1	7681-2	7681-3	7681-4	7681-5
Halogenated Volatiles (8010)					
Benzyl chloride, ug/l	1.00	1.00	1.00	1.00	1.00
bis(2-Chloroethoxy) methane, ug/l	1.00	1.00	1.00	1.00	1.00
bis(2-Chloro-1-methylethyl) ether, ug/l	1.00	1.00	1.00	1.00	1.00
Bromobenzene, ug/l	1.00	1.00	1.00	1.00	1.00
Bromodichloromethane, ug/l	1.00	1.00	1.00	1.00	1.00
Bromoform, ug/l	1.00	1.00	1.00	1.00	1.00
Bromomethane, ug/l	1.00	1.00	1.00	1.00	1.00
Carbon Tetrachloride, ug/l	1.00	1.00	1.00	1.00	1.00
Chloroacetaldehyde, ug/l	1.00	1.00	1.00	1.00	1.00
Chlorobenzene, ug/l	1.00	1.00	1.00	1.00	1.00
Chloroethane, ug/l	1.00	1.00	1.00	1.00	1.00
Chloroform, ug/l	1.00	1.00	1.00	1.00	1.00
1-Chlorohexane, ug/l	1.00	1.00	1.00	1.00	1.00
2-Chloroethylvinyl Ether, ug/l	1.00	1.00	1.00	1.00	1.00
Chloromethane, ug/l	1.00	1.00	1.00	1.00	1.00
Chloromethyl methyl ether, ug/l	1.00	1.00	1.00	1.00	1.00
Chlorotoluene, ug/l	1.00	1.00	1.00	1.00	1.00

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REPORT OF ANALYTICAL RESULTS

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LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES					SAMPLED BY
7681-1	BC-BR3	9-12-89				Client
7681-2	BC4-MW1	9-12-89				
7681-3	BC4-MW2	9-12-89				
7681-4	BC4-MW3	9-12-89				
7681-5	BC4-MW4	9-12-89				
PARAMETER	7681-1	7681-2	7681-3	7681-4	7681-5	
Dibromochloromethane, ug/l	1.00	1.00	1.00	1.00	1.00	
Dibromomethane, ug/l	1.00	1.00	1.00	1.00	1.00	
1,2-Dichlorobenzene, ug/l	1.00	1.00	1.00	1.00	1.00	
1,3-Dichlorobenzene, ug/l	1.00	1.00	1.00	1.00	1.00	
1,4-Dichlorobenzene, ug/l	1.00	1.00	1.00	1.00	1.00	
Dichlorodifluoromethane, ug/l	1.00	1.00	1.00	1.00	1.00	
1,1-Dichloroethane, ug/l	1.00	1.00	1.00	1.00	1.00	
1,2-Dichloroethane, ug/l	1.00	1.00	1.00	1.00	1.00	
1,1-Dichloroethene, ug/l	1.00	1.00	1.00	1.00	1.00	
1,2-Dichloroethylene, ug/l	1.00	1.00	1.00	1.00	1.00	
Dichloromethane, ug/l	1.00	1.00	1.00	1.00	1.00	
1,2-Dichloropropane, ug/l	1.00	1.00	1.00	1.00	1.00	
1,3-Dichloropropylene, ug/l	1.00	1.00	1.00	1.00	1.00	
1,1,2,2-Tetrachloroethane, ug/l	1.00	1.00	1.00	1.00	1.00	
1,1,1,2-Tetrachloroethane, ug/l	1.00	1.00	1.00	1.00	1.00	
Tetrachloroethylene, ug/l	1.00	1.00	1.00	1.00	1.00	
1,1,1-Trichloroethane, ug/l	1.00	1.00	1.00	1.00	1.00	
1,1,2-Trichloroethane, ug/l	1.00	1.00	1.00	1.00	1.00	
Trichloroethene, ug/l	1.00	1.00	1.00	1.00	1.00	

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REPORT OF ANALYTICAL RESULTS

Page 3

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES					SAMPLED BY
7681-1	BC-BR3	9-12-89				Client
7681-2	BC4-MW1	9-12-89				
7681-3	BC4-MW2	9-12-89				
7681-4	BC4-MW3	9-12-89				
7681-5	BC4-MW4	9-12-89				
PARAMETER	7681-1	7681-2	7681-3	7681-4	7681-5	
Trichlorofluoromethane, ug/l	1.0U	1.0U	1.0U	1.0U	1.0U	
Trichloropropane, ug/l	1.0U	1.0U	1.0U	1.0U	1.0U	
Vinyl Chloride, ug/l	1.0U	1.0U	1.0U	1.0U	1.0U	
Column	1% SP-1000	1% SP-1000	1% SP-1000	1% SP-1000	1% SP-1000	
Date Collected	09.12.89	09.12.89	09.12.89	09.12.89	09.12.89	
Date Analyzed	09.21.89	09.21.89	09.21.89	09.21.89	09.21.89	
Dilution factor	1	1	1	1	1	
Surrogate - Bromochloro- methane (70-130 % Rec)	87 %	82 %	70 %	71 %	72 %	
QC Report ID	7681/10-23	7681/10-23	7681/10-23	7681/10-23	7681/10-23	

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LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
7681-1	BC-BR3 9-12-89	Client
7681-2	BC4-MW1 9-12-89	
7681-3	BC4-MW2 9-12-89	
7681-4	BC4-MW3 9-12-89	
7681-5	BC4-MW4 9-12-89	

PARAMETER	7681-1	7681-2	7681-3	7681-4	7681-5
Aromatic Volatiles (8020)					
Benzene, ug/l	1.0U	1.0U	1.0U	1.0U	1.0U
Chlorobenzene, ug/l	1.0U	1.0U	1.0U	1.0U	1.0U
1,2-Dichlorobenzene, ug/l	1.0U	1.0U	1.0U	1.0U	1.0U
1,3-Dichlorobenzene, ug/l	1.0U	1.0U	1.0U	1.0U	1.0U
1,4-Dichlorobenzene, ug/l	1.0U	1.0U	1.0U	1.0U	1.0U
Ethylbenzene, ug/l	1.0U	1.0U	1.0U	1.0U	1.0U
Toluene, ug/l	1.0U	1.0U	1.0U	1.0U	1.0U
Xylenes, ug/l	1.0U	1.0U	1.0U	1.0U	1.0U
Column	1% SP-1000	1% SP-1000	1% SP-1000	1% SP-1000	1% SP-1000
Date Collected	09.12.89	09.12.89	09.12.89	09.12.89	09.12.89
Date Analyzed	09.21.89	09.21.89	09.21.89	09.21.89	09.21.89
Dilution factor	1	1	1	1	1
Surrogate - Trifluoro- toluene (70-130 % Rec)	119 %	118 %	97 %	119 %	106 %
QC Report ID	7681/10-23	7681/10-23	7681/10-23	7681/10-23	7681/10-23

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LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
7681-1	BC-BR3 9-12-89	Client
7681-2	BC4-MW1 9-12-89	
7681-3	BC4-MW2 9-12-89	
7681-4	BC4-MW3 9-12-89	
7681-5	BC4-MW4 9-12-89	

PARAMETER	7681-1	7681-2	7681-3	7681-4	7681-5
Lead (239.2/7420)					
Lead , mg/l	0.0050U	0.0050U	0.0050U	0.0050U	0.0050U
Date Collected	09.12.89	09.12.89	09.12.89	09.12.89	09.12.89
Date Analyzed	10.04.89	10.04.89	10.04.89	10.04.89	10.04.89
Dilution factor	1	1	1	1	1
QC Report ID	7681/10-23	7681/10-23	7681/10-23	7681/10-23	7681/10-23
Chromium (218.2/7191)					
Chromium, mg/l	0.010U	0.010U	0.010U	0.010U	0.010U
Date Collected	09.12.89	09.12.89	09.12.89	09.12.89	09.12.89
Date Analyzed	09.27.89	09.27.89	09.27.89	09.27.89	09.27.89
Dilution factor	1	1	1	1	1
QC Report ID	7681/10-23	7681/10-23	7681/10-23	7681/10-23	7681/10-23

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REPORT OF ANALYTICAL RESULTS

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LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES			SAMPLED BY
7681-6	BC3-MW1	9-12-89		Client
7681-7	BC3-MW3	9-12-89		
7681-8	BC3-MW4	9-12-89		
PARAMETER		7681-6	7681-7	7681-8
Halogenated Volatiles (8010)				
Benzyl chloride, ug/l		1.0U	1.0U	1.0U
bis(2-Chloroethoxy) methane, ug/l		1.0U	1.0U	1.0U
bis(2-Chloro-1-methylethyl) ether, ug/l		1.0U	1.0U	1.0U
Bromobenzene, ug/l		1.0U	1.0U	1.0U
Bromodichloromethane, ug/l		1.0U	1.0U	1.0U
Bromoform, ug/l		1.0U	1.0U	1.0U
Bromomethane, ug/l		1.0U	1.0U	1.0U
Carbon Tetrachloride, ug/l		1.0U	1.0U	1.0U
Chloroacetaldehyde, ug/l		1.0U	1.0U	1.0U
Chlorobenzene, ug/l		1.0U	1.0U	1.0U
Chloroethane, ug/l		1.0U	1.0U	1.0U
Chloroform, ug/l		1.0U	1.0U	1.0U
1-Chlorohexane, ug/l		1.0U	1.0U	1.0U
2-Chloroethylvinyl Ether, ug/l		1.0U	1.0U	1.0U
Chloromethane, ug/l		1.0U	1.0U	1.0U
Chloromethyl methyl ether, ug/l		1.0U	1.0U	1.0U
Chlorotoluene, ug/l		1.0U	1.0U	1.0U
Dibromochloromethane, ug/l		1.0U	1.0U	1.0U
Dibromomethane, ug/l		1.0U	1.0U	1.0U
1,2-Dichlorobenzene, ug/l		1.0U	1.0U	1.0U

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LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY		
		Client		
7681-6	BC3-MW1 9-12-89			
7681-7	BC3-MW3 9-12-89			
7681-8	BC3-MW4 9-12-89			
PARAMETER		7681-6	7681-7	7681-8
1,3-Dichlorobenzene, ug/l		1.0U	1.0U	1.0U
1,4-Dichlorobenzene, ug/l		1.0U	1.0U	1.0U
Dichlorodifluoromethane, ug/l		1.0U	1.0U	1.0U
1,1-Dichloroethane, ug/l		1.0U	1.0U	1.0U
1,2-Dichloroethane, ug/l		1.0U	1.0U	1.0U
1,1-Dichloroethene, ug/l		1.0U	1.0U	1.0U
1,2-Dichloroethylene, ug/l		1.0U	1.0U	1.0U
Dichloromethane, ug/l		1.0U	1.0U	1.0U
1,2-Dichloropropane, ug/l		1.0U	1.0U	1.0U
1,3-Dichloropropylene, ug/l		1.0U	1.0U	1.0U
1,1,2,2-Tetrachloroethane, ug/l		1.0U	1.0U	1.0U
1,1,1,2-Tetrachloroethane, ug/l		1.0U	1.0U	1.0U
Tetrachloroethylene, ug/l		1.0U	1.0U	1.0U
1,1,1-Trichloroethane, ug/l		1.0U	1.0U	1.0U
1,1,2-Trichloroethane, ug/l		1.0U	1.0U	1.0U
Trichloroethene, ug/l		1.0U	1.0U	1.0U
Trichlorofluoromethane, ug/l		1.0U	1.0U	1.0U
Trichloropropane, ug/l		1.0U	1.0U	1.0U
Vinyl Chloride, ug/l		1.0U	1.0U	1.0U
Column		1% SP-1000	1% SP-1000	1% SP-1000
Date Collected		09.12.89	09.12.89	09.12.89
Date Analyzed		09.21.89	09.21.89	09.21.89
Dilution factor		1	1	1
Surrogate - Bromochloro- methane (70-130 % Rec)		72 %	84 %	87 %
QC Report ID		7681/10-23	7681/10-23	7681/10-23

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REPORT OF ANALYTICAL RESULTS

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LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES			SAMPLED BY
7681-6	BC3-MW1	9-12-89		Client
7681-7	BC3-MW3	9-12-89		
7681-8	BC3-MW4	9-12-89		
PARAMETER		7681-6	7681-7	7681-8
Aromatic Volatiles (8020)				
Benzene, ug/l		1.0U	1.0U	1.0U
Chlorobenzene, ug/l		1.0U	1.0U	1.0U
1,2-Dichlorobenzene, ug/l		1.0U	1.0U	1.0U
1,3-Dichlorobenzene, ug/l		1.0U	1.0U	1.0U
1,4-Dichlorobenzene, ug/l		1.0U	1.0U	1.0U
Ethylbenzene, ug/l		1.0U	1.0U	1.0U
Toluene, ug/l		1.0U	1.0U	1.0U
Xylenes, ug/l		1.0U	1.0U	1.0U
Column		1% SP-1000	1% SP-1000	1% SP-1000
Date Collected		09.12.89	09.12.89	09.12.89
Date Analyzed		09.21.89	09.21.89	09.21.89
Dilution factor		1	1	1
Surrogate - Trifluoro- toluene (70-130 % Rec)		117 %	119 %	109 %
QC Report ID		7681/10-23	7681/10-23	7681/10-23
Lead (239.2/7420)				
Lead, mg/l		0.0050U	0.0050U	0.0050U
Date Collected		09.12.89	09.12.89	09.12.89
Date Analyzed		10.04.89	10.04.89	10.04.89
Dilution factor		1	1	1
QC Report ID		7681/10-23	7681/10-23	7681/10-23

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REPORT OF ANALYTICAL RESULTS

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LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
7681-9	BC-TB5 9-12-89	Client
PARAMETER	7681-9	
Halogenated Volatiles (8010)		
Benzyl chloride, ug/l	1.00	
bis(2-Chloroethoxy) methane, ug/l	1.00	
bis(2-Chloro-1-methylethyl) ether, ug/l	1.00	
Bromobenzene, ug/l	1.00	
Bromodichloromethane, ug/l	1.00	
Bromoform, ug/l	1.00	
Bromomethane, ug/l	1.00	
Carbon Tetrachloride, ug/l	1.00	
Chloroacetaldehyde, ug/l	1.00	
Chlorobenzene, ug/l	1.00	
Chloroethane, ug/l	1.00	
Chloroform, ug/l	1.00	
1-Chlorohexane, ug/l	1.00	
2-Chloroethylvinyl Ether, ug/l	1.00	
Chloromethane, ug/l	1.00	
Chloromethyl methyl ether, ug/l	1.00	
Chlorotoluene, ug/l	1.00	
Dibromochloromethane, ug/l	1.00	
Dibromomethane, ug/l	1.00	
1,2-Dichlorobenzene, ug/l	1.00	
1,3-Dichlorobenzene, ug/l	1.00	
1,4-Dichlorobenzene, ug/l	1.00	

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REPORT OF ANALYTICAL RESULTS

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LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
7681-9	BC-TBS 9-12-89	Client
PARAMETER	7681-9	
Dichlorodifluoromethane, ug/l	1.0U	
1,1-Dichloroethane, ug/l	1.0U	
1,2-Dichloroethane, ug/l	1.0U	
1,1-Dichloroethene, ug/l	1.0U	
1,2-Dichloroethylene, ug/l	1.0U	
Dichloromethane, ug/l	1.0U	
1,2-Dichloropropane, ug/l	1.0U	
1,3-Dichloropropylene, ug/l	1.0U	
1,1,2,2-Tetrachloroethane, ug/l	1.0U	
1,1,1,2-Tetrachloroethane, ug/l	1.0U	
Tetrachloroethylene, ug/l	1.0U	
1,1,1-Trichloroethane, ug/l	1.0U	
1,1,2-Trichloroethane, ug/l	1.0U	
Trichloroethene, ug/l	1.0U	
Trichlorofluoromethane, ug/l	1.0U	
Trichloropropane, ug/l	1.0U	
Vinyl Chloride, ug/l	1.0U	
Column	1% SP-1000	
Date Collected	09.12.89	
Date Analyzed	09.21.89	
Dilution factor	1	
Surrogate - Bromochloro- methane (70-130 % Rec)	81 %	
QC Report ID	7681/10-23	

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REPORT OF ANALYTICAL RESULTS

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LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
7681-9	BC-TBS 9-12-89	Client
PARAMETER	7681-9	
Aromatic Volatiles (8020)		
Benzene, ug/l	1.00	
Chlorobenzene, ug/l	1.00	
1,2-Dichlorobenzene, ug/l	1.00	
1,3-Dichlorobenzene, ug/l	1.00	
1,4-Dichlorobenzene, ug/l	1.00	
Ethylbenzene, ug/l	1.00	
Toluene, ug/l	1.00	
Xylenes, ug/l	1.00	
Column	1% SP-1000	
Date Collected	09.12.89	
Date Analyzed	09.21.89	
Dilution factor	1	
Surrogate - Trifluoro- toluene (70-130 % Rec)	116 %	
QC Report ID	7681/10-23	

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LOG NO	SAMPLE DESCRIPTION , QC SAMPLES	SAMPLED BY
7681-10	Method Blank	Client
7681-11	Matrix Spike/MSD Added	
7681-12	Sample Concentration	
7681-13	MS Concentration	
7681-14	MS % Recovery	

PARAMETER	7681-10	7681-11	7681-12	7681-13	7681-14
Halogenated Volatiles (8010)					
Benzyl chloride, ug/l	1.00	—	—	—	—
bis(2-Chloroethoxy) methane, ug/l	1.00	—	—	—	—
bis(2-Chloro-1-methylethyl) ether, ug/l	1.00	—	—	—	—
Bromobenzene, ug/l	1.00	—	—	—	—
Bromodichloromethane, ug/l	1.00	—	—	—	—
Bromoform, ug/l	1.00	—	—	—	—
Bromomethane, ug/l	1.00	—	—	—	—
Carbon Tetrachloride, ug/l	1.00	—	—	—	—
Chloroacetaldehyde, ug/l	1.00	—	—	—	—
Chlorobenzene, ug/l	1.00	10	1.00	11.8	118 %
Chloroethane, ug/l	1.00	—	—	—	—
Chloroform, ug/l	1.00	—	—	—	—
1-Chlorohexane, ug/l	1.00	—	—	—	—
2-Chloroethylvinyl Ether, ug/l	1.00	—	—	—	—
Chloromethane, ug/l	1.00	—	—	—	—
Chloromethyl methyl ether, ug/l	1.00	—	—	—	—
Chlorotoluene, ug/l	1.00	—	—	—	—

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LOG NO	SAMPLE DESCRIPTION , QC SAMPLES	SAMPLED BY
7681-10	Method Blank	Client
7681-11	Matrix Spike/MSD Added	
7681-12	Sample Concentration	
7681-13	MS Concentration	
7681-14	MS % Recovery	

PARAMETER	7681-10	7681-11	7681-12	7681-13	7681-14
Dibromochloromethane, ug/l	1.00	—	—	—	—
Dibromomethane, ug/l	1.00	—	—	—	—
1,2-Dichlorobenzene, ug/l	1.00	—	—	—	—
1,3-Dichlorobenzene, ug/l	1.00	—	—	—	—
1,4-Dichlorobenzene, ug/l	1.00	—	—	—	—
Dichlorodifluoromethane, ug/l	1.00	—	—	—	—
1,1-Dichloroethane, ug/l	1.00	—	—	—	—
1,2-Dichloroethane, ug/l	1.00	—	—	—	—
1,1-Dichloroethene, ug/l	1.00	10	1.00	8.8	88 %
1,2-Dichloroethylene, ug/l	1.00	—	—	—	—
Dichloromethane, ug/l	1.00	—	—	—	—
1,2-Dichloropropane, ug/l	1.00	—	—	—	—
1,3-Dichloropropylene, ug/l	1.00	—	—	—	—
1,1,2,2-Tetrachloroethane, ug/l	1.00	—	—	—	—
1,1,1,2-Tetrachloroethane, ug/l	1.00	—	—	—	—
Tetrachloroethylene, ug/l	1.00	—	—	—	—
1,1,1-Trichloroethane, ug/l	1.00	—	—	—	—
1,1,2-Trichloroethane, ug/l	1.00	—	—	—	—
Trichloroethene, ug/l	1.00	10	1.00	10.9	109 %

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LOG NO	SAMPLE DESCRIPTION , QC SAMPLES	SAMPLED BY
7681-10	Method Blank	Client
7681-11	Matrix Spike/MSD Added	
7681-12	Sample Concentration	
7681-13	MS Concentration	
7681-14	MS % Recovery	

PARAMETER	7681-10	7681-11	7681-12	7681-13	7681-14
Trichlorofluoromethane, ug/l	1.0U	—	—	—	—
Trichloropropane, ug/l	1.0U	—	—	—	—
Vinyl Chloride, ug/l	1.0U	—	—	—	—
Column	1% SP-1000	—	—	1% SP-1000	—
Date Analyzed	09.21.89	—	—	09.24.89	—
Dilution factor	1	—	—	1	—
Surrogate - Bromochloro- methane (70-130 % Rec)	126 %	—	—	96 %	—

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LOG NO	SAMPLE DESCRIPTION , QC SAMPLES					SAMPLED BY
						Client
7681-10	Method Blank					
7681-11	Matrix Spike/MSD Added					
7681-12	Sample Concentration					
7681-13	MS Concentration					
7681-14	MS % Recovery					
PARAMETER	7681-10	7681-11	7681-12	7681-13	7681-14	
Aromatic Volatiles (8020)						
Benzene, ug/l	1.00	10	1.00	11.6	116 %	
Chlorobenzene, ug/l	1.00	10	1.00	11.8	118 %	
1,2-Dichlorobenzene, ug/l	1.00	—	—	—	—	
1,3-Dichlorobenzene, ug/l	1.00	—	—	—	—	
1,4-Dichlorobenzene, ug/l	1.00	—	—	—	—	
Ethylbenzene, ug/l	1.00	—	—	—	—	
Toluene, ug/l	1.00	10	1.00	11.4	114 %	
Xylenes, ug/l	1.00	—	—	—	—	
Column	1% SP-1000	—	—	1% SP-1000	—	
Date Analyzed	09.21.89	—	—	09.24.89	—	
Dilution factor	1	—	—	1	—	
Surrogate - Trifluoro-	112 %	—	—	110 %	—	
toluene (70-130 % Rec)						
Lead (239.2/7420)						
Lead, mg/l	0.00500	.020/.020	0.00500	0.019	95 %	
Date Analyzed	10.04.89	—	10.04.89	10.04.89	—	

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LOG NO	SAMPLE DESCRIPTION , QC SAMPLES	SAMPLED BY			
7681-10	Method Blank	Client			
7681-11	Matrix Spike/MSD Added				
7681-12	Sample Concentration				
7681-13	MS Concentration				
7681-14	MS % Recovery				
PARAMETER	7681-10	7681-11	7681-12	7681-13	7681-14
Chromium (218.2/7191)					
Chromium, mg/l	0.010U	1.0/1.0	0.010U	0.96	96 %
Date Analyzed	09.27.89	—	—	09.27.89	—
Dilution factor	1	—	—	1	—

Methods: EPA SW-846

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LOG NO	SAMPLE DESCRIPTION , QC SAMPLES	SAMPLED BY
7681-15	MSD Concentration	Client
7681-16	MSD % Recovery	
7681-17	Recovery Limit	
7681-18	% RPD	
7681-19	% RPD Limit	

PARAMETER	7681-15	7681-16	7681-17	7681-18	7681-19
Halogenated Volatiles (8010)					
Chlorobenzene, ug/l	12.3	123 %	56-144 %	4.1 %	0-30 %
1,1-Dichloroethene, ug/l	9.7	97 %	75-125 %	12 %	0-30 %
Trichloroethene, ug/l	11.9	119 %	65-135 %	8.9 %	0-30 %
Column	1% SP-1000	—	—	—	—
Date Confirmed (2nd Column)	09.24.89	—	—	—	—
Surrogate - Bromochloro- methane (70-130 % Rec)	104 %	—	—	—	—
Aromatic Volatiles (8020)					
Benzene, ug/l	12.5	125 %	75-125 %	7.5 %	0-30 %
Chlorobenzene, ug/l	12.3	123 %	56-144 %	4.1 %	0-30 %
Toluene, ug/l	12.4	124 %	70-130 %	8.4 %	0-30 %
Column	1% SP-1000	—	—	—	—
Date Analyzed	09.24.89	—	—	—	—
Dilution factor	1	—	—	—	—
Surrogate - Trifluoro- toluene (70-130 % Rec)	122 %	—	—	—	—

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LOG NO	SAMPLE DESCRIPTION , QC SAMPLES			SAMPLED BY	
7681-15	MSD Concentration			Client	
7681-16	MSD % Recovery				
7681-17	Recovery Limit				
7681-18	% RPD				
7681-19	% RPD Limit				
PARAMETER	7681-15	7681-16	7681-17	7681-18	7681-19
Lead (239.2/7420)					
Lead , mg/l	0.018	90 %	75-125 %	5.4 %	0-20 %
Date Analyzed	10.04.89	—	—	—	—
Chromium (218.2/7191)					
Chromium, mg/l	0.97	97 %	75-125 %	1.0 %	0-20 %
Date Analyzed	09.27.89	—	—	—	—

Methods: EPA SW-846

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LOG NO	SAMPLE DESCRIPTION , QC SAMPLES	SAMPLED BY			
7681-20	Blank Spike Added	Client			
7681-21	Blank Spike Concentration				
7681-22	Blank Dpike (% Rec)				
7681-23	Blank Spike Control Limits				
PARAMETER	7681-20	7681-21	7681-22	7681-23	
Halogenated Volatiles (8010)					
Chlorobenzene, ug/l	10	10.3	103 %	56-144 %	
1,1-Dichloroethene, ug/l	10	8.7	87 %	75-125 %	
Trichloroethene, ug/l	10	9.4	94 %	65-135 %	
Column	1% SP-1000				
Date Analyzed	09.21.89				
Dilution factor	1				
Surrogate - Bromochloro- methane (70-130 % Rec)	97 %				
Aromatic Volatiles (8020)					
Benzene, ug/l	10	10.2	102 %	75-125 %	
Chlorobenzene, ug/l	10	10.3	103 %	56-144 %	
Toluene, ug/l	10	10.2	102 %	70-130 %	
Column	1% SP-1000				
Date Analyzed	09.21.89				
Dilution factor	1				
Surrogate - Trifluoro- toluene (70-130 % Rec)	106 %				
Lead (239.2/7420)					
Lead , mg/l	0.020	0.020	100 %	75-125 %	
Date Analyzed	10.04.89				

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LOG NO	SAMPLE DESCRIPTION , QC SAMPLES	SAMPLED BY			
7681-20	Blank Spike Added	Client			
7681-21	Blank Spike Concentration				
7681-22	Blank Dpike (% Rec)				
7681-23	Blank Spike Control Limits				
PARAMETER		7681-20	7681-21	7681-22	7681-23
Chromium (218.2/7191)					
Chromium, mg/l		0.10	0.098	98 %	75-125 %
Date Analyzed		—	09.27.89	—	—

Methods: EPA SW-846

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REPORT OF ANALYTICAL RESULTS

Page 1

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES					SAMPLED BY
7714-1	BC-MW14	9-13-89				Client
7714-2	BC-MW16	9-13-89 - Duplicate of BC-MW14				
7714-3	BC-MW6	9-13-89				
7714-4	BC-MW12	9-13-89				
7714-5	BC-MW11	9-13-89				
PARAMETER	7714-1	7714-2	7714-3	7714-4	7714-5	
Halogenated Volatiles (8010)						
Benzyl chloride, ug/l	1.0U	1.0U	1.0U	1.0U	1.0U	
bis(2-Chloroethoxy) methane, ug/l	1.0U	1.0U	1.0U	1.0U	1.0U	
bis(2-Chloro-1-methylethyl) ether, ug/l	1.0U	1.0U	1.0U	1.0U	1.0U	
Bromobenzene, ug/l	1.0U	1.0U	1.0U	1.0U	1.0U	
Bromodichloromethane, ug/l	1.0U	1.0U	1.0U	1.0U	1.0U	
Bromoform, ug/l	1.0U	1.0U	1.0U	1.0U	1.0U	
Bromomethane, ug/l	1.0U	1.0U	1.0U	1.0U	1.0U	
Carbon Tetrachloride, ug/l	1.0U	1.0U	1.0U	1.0U	1.0U	
Chloroacetaldehyde, ug/l	1.0U	1.0U	1.0U	1.0U	1.0U	
Chlorobenzene, ug/l	1.0U	1.0U	1.0U	1.0U	1.0U	
Chloroethane, ug/l	1.0U	1.0U	1.0U	1.0U	1.0U	
Chloroform, ug/l	1.0U	1.0U	1.0U	1.0U	1.0U	
1-Chlorohexane, ug/l	1.0U	1.0U	1.0U	1.0U	1.0U	
2-Chloroethylvinyl Ether, ug/l	1.0U	1.0U	1.0U	1.0U	1.0U	
Chloromethane, ug/l	1.0U	1.0U	1.0U	1.0U	1.0U	
Chloromethyl methyl ether, ug/l	1.0U	1.0U	1.0U	1.0U	1.0U	
Chlorotoluene, ug/l	1.0U	1.0U	1.0U	1.0U	1.0U	

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REPORT OF ANALYTICAL RESULTS

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LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES					SAMPLED BY
7714-1	BC-MW14	9-13-89				Client
7714-2	BC-MW16	9-13-89				
7714-3	BC-MW6	9-13-89				
7714-4	BC-MW12	9-13-89				
7714-5	BC-MW11	9-13-89				
PARAMETER						
	7714-1	7714-2	7714-3	7714-4	7714-5	
Dibromochloromethane, ug/l	1.00	1.00	1.00	1.00	1.00	
Dibromomethane, ug/l	1.00	1.00	1.00	1.00	1.00	
1,2-Dichlorobenzene, ug/l	1.00	1.00	1.00	1.00	1.00	
1,3-Dichlorobenzene, ug/l	1.00	1.00	1.00	1.00	1.00	
1,4-Dichlorobenzene, ug/l	1.00	1.00	1.00	1.00	1.00	
Dichlorodifluoromethane, ug/l	1.00	1.00	1.00	1.00	1.00	
1,1-Dichloroethane, ug/l	1.00	1.00	1.00	1.00	1.00	
1,2-Dichloroethane, ug/l	1.00	1.00	1.00	1.00	1.00	
1,1-Dichloroethene, ug/l	1.00	1.00	1.00	1.00	1.00	
1,2-Dichloroethylene, ug/l	1.00	1.00	1.00	1.00	1.00	
Dichloromethane, ug/l	1.00	1.00	1.00	1.00	1.00	
1,2-Dichloropropane, ug/l	1.00	1.00	1.00	1.00	1.00	
1,3-Dichloropropylene, ug/l	1.00	1.00	1.00	1.00	1.00	
1,1,2,2-Tetrachloroethane, ug/l	1.00	1.00	1.00	1.00	1.00	
1,1,1,2-Tetrachloroethane, ug/l	1.00	1.00	1.00	1.00	1.00	
Tetrachloroethylene, ug/l	1.00	1.00	1.00	1.00	1.00	
1,1,1-Trichloroethane, ug/l	1.00	1.00	1.00	1.00	1.00	
1,1,2-Trichloroethane, ug/l	1.00	1.00	1.00	1.00	1.00	
Trichloroethene, ug/l	1.00	1.00	1.00	1.00	1.00	

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LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES					SAMPLED BY
7714-1	BC-MW14	9-13-89				Client
7714-2	BC-MW16	9-13-89				
7714-3	BC-MW6	9-13-89				
7714-4	BC-MW12	9-13-89				
7714-5	BC-MW11	9-13-89				
PARAMETER	7714-1	7714-2	7714-3	7714-4	7714-5	
Trichlorofluoromethane, ug/l	1.0U	1.0U	1.0U	1.0U	1.0U	
Trichloropropane, ug/l	1.0U	1.0U	1.0U	1.0U	1.0U	
Vinyl Chloride, ug/l	1.0U	1.0U	1.0U	1.0U	1.0U	
Column	1% SP-1000	1% SP-1000	1% SP-1000	1% SP-1000	1% SP-1000	
Date Collected	09.13.89	09.13.89	09.13.89	09.13.89	09.13.89	
Date Analyzed	09.26.89	09.26.89	09.26.89	09.26.89	09.26.89	
Dilution factor	1	1	1	1	1	
Surrogate - Bromochloro- methane (70-130 % Rec)	98 %	74 %	79 %	71 %	94 %	
QC Report ID	7714/9-22	7714/9-22	7714/9-22	7714/9-22	7714/9-22	

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LOG NO: 89-7714

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REPORT OF ANALYTICAL RESULTS

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LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES					SAMPLED BY
7714-1	BC-MW14	9-13-89				Client
7714-2	BC-MW16	9-13-89				
7714-3	BC-MW6	9-13-89				
7714-4	BC-MW12	9-13-89				
7714-5	BC-MW11	9-13-89				
PARAMETER	7714-1	7714-2	7714-3	7714-4	7714-5	
Aromatic Volatiles (8020)						
Benzene, ug/l	1.0U	1.0U	1.0U	1.0U	1.0U	
Chlorobenzene, ug/l	1.0U	1.0U	1.0U	1.0U	1.0U	
1,2-Dichlorobenzene, ug/l	1.0U	1.0U	1.0U	1.0U	1.0U	
1,3-Dichlorobenzene, ug/l	1.0U	1.0U	1.0U	1.0U	1.0U	
1,4-Dichlorobenzene, ug/l	1.0U	1.0U	1.0U	1.0U	1.0U	
Ethylbenzene, ug/l	1.0U	1.0U	1.0U	1.0U	1.0U	
Toluene, ug/l	1.0U	1.0U	1.0U	1.0U	1.0U	
Xylenes, ug/l	1.0U	1.0U	1.0U	1.0U	1.0U	
Column	1% SP-1000	1% SP-1000	1% SP-1000	1% SP-1000	1% SP-1000	
Date Collected	09.13.89	09.13.89	09.13.89	09.13.89	09.13.89	
Date Analyzed	09.26.89	09.26.89	09.26.89	09.26.89	09.26.89	
Dilution factor	1	1	1	1	1	
Surrogate - Trifluoro- toluene (70-130 % Rec)	105 %	108 %	108 %	106 %	108 %	
QC Report ID	7714/9-22	7714/9-22	7714/9-22	7714/9-22	7714/9-22	

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LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES					SAMPLED BY
7714-1	BC-MW14	9-13-89				Client
7714-2	BC-MW16	9-13-89				
7714-3	BC-MW6	9-13-89				
7714-4	BC-MW12	9-13-89				
7714-5	BC-MW11	9-13-89				
PARAMETER	7714-1	7714-2	7714-3	7714-4	7714-5	
Lead (239.2/7420)						
Lead , mg/l	0.0050U	0.0050U	0.0050U	0.0050U	0.0050U	
Date Collected	09.13.89	09.13.89	09.13.89	09.13.89	09.13.89	
Date Analyzed	10.04.89	10.04.89	10.04.89	10.04.89	10.04.89	
Dilution factor	1	1	1	1	1	
QC Report ID	7714/9-22	7714/9-22	7714/9-22	7714/9-22	7714/9-22	

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LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES		SAMPLED BY
7714-6	BC3-MW2	9-13-89	Client
7714-7	BC3-MW7	9-13-89 - Duplicate of BC3-MW2	
PARAMETER		7714-6	7714-7
Halogenated Volatiles (8010)			
Benzyl chloride, ug/l		1.0U	1.0U
bis(2-Chloroethoxy) methane, ug/l		1.0U	1.0U
bis(2-Chloro-1-methylethyl) ether, ug/l		1.0U	1.0U
Bromobenzene, ug/l		1.0U	1.0U
Bromodichloromethane, ug/l		1.0U	1.0U
Bromoform, ug/l		1.0U	1.0U
Bromomethane, ug/l		1.0U	1.0U
Carbon Tetrachloride, ug/l		1.0U	1.0U
Chloroacetaldehyde, ug/l		1.0U	1.0U
Chlorobenzene, ug/l		1.0U	1.0U
Chloroethane, ug/l		1.0U	1.0U
Chloroform, ug/l		1.0U	1.0U
1-Chlorohexane, ug/l		1.0U	1.0U
2-Chloroethylvinyl Ether, ug/l		1.0U	1.0U
Chloromethane, ug/l		1.0U	1.0U
Chloromethyl methyl ether, ug/l		1.0U	1.0U
Chlorotoluene, ug/l		1.0U	1.0U
Dibromochloromethane, ug/l		1.0U	1.0U
Dibromomethane, ug/l		1.0U	1.0U
1,2-Dichlorobenzene, ug/l		1.0U	1.0U
1,3-Dichlorobenzene, ug/l		1.0U	1.0U

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REPORT OF ANALYTICAL RESULTS

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LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES		SAMPLED BY	
7714-6	BC3-MW2	9-13-89	Client	
7714-7	BC3-MW7	9-13-89		
PARAMETER			7714-6	7714-7
1,4-Dichlorobenzene, ug/l			1.0U	1.0U
Dichlorodifluoromethane, ug/l			1.0U	1.0U
1,1-Dichloroethane, ug/l			1.0U	1.0U
1,2-Dichloroethane, ug/l			1.0U	1.0U
1,1-Dichloroethene, ug/l			1.0U	1.0U
1,2-Dichloroethylene, ug/l			180D/150D	240D/170D
Dichloromethane, ug/l			1.0U	1.0U
1,2-Dichloropropane, ug/l			1.0U	1.0U
1,3-Dichloropropylene, ug/l			1.0U	1.0U
1,1,2,2-Tetrachloroethane, ug/l			1.0U	1.0U
1,1,1,2-Tetrachloroethane, ug/l			1.0U	1.0U
Tetrachloroethylene, ug/l			1.0U	1.0U
1,1,1-Trichloroethane, ug/l			1.0U	1.0U
1,1,2-Trichloroethane, ug/l			1.0U	1.0U
Trichloroethene, ug/l			1.0U	1.0U
Trichlorofluoromethane, ug/l			1.0U	1.0U
Trichloropropane, ug/l			1.0U	1.0U
Vinyl Chloride, ug/l			1.0U	1.0U
Column			1% SP-1000	1% SP-1000
2nd Column			CAP	CAP
Date Collected			09.13.89	09.13.89
Date Analyzed			09.26.89	09.26.89
Date Confirmed (2nd Column)			09.27.89	09.27.89
Dilution factor			10	10
Surrogate - Bromochloro- methane (70-130 % Rec)			72 %	106 %
QC Report ID			7714/9-22	7714/9-22

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Project: AT103 Battle Creek ANGB, Michigan

REPORT OF ANALYTICAL RESULTS

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LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY	
7714-6	BC3-MW2 9-13-89	Client	
7714-7	BC3-MW7 9-13-89		
PARAMETER	7714-6	7714-7	
Aromatic Volatiles (8020)			
Benzene, ug/l	39/34	56/56	
Chlorobenzene, ug/l	1.0U	1.0U	
1,2-Dichlorobenzene, ug/l	1.0U	1.0U	
1,3-Dichlorobenzene, ug/l	1.0U	1.0U	
1,4-Dichlorobenzene, ug/l	1.0U	1.0U	
Ethylbenzene, ug/l	21/29	26/38	
Toluene, ug/l	1.0U	1.0U	
Xylenes, ug/l	91/90	110/120	
Column	1% SP-1000	1% SP-1000	
2nd Column	CAP	CAP	
Date Collected	09.13.89	09.13.89	
Date Analyzed	09.26.89	09.26.89	
Date Confirmed (2nd Column)	09.27.89	09.27.89	
Dilution factor	10	10	
Surrogate - Trifluoro- toluene (70-130 % Rec)	97 %	84 %	
QC Report ID	7714/9-22	7714/9-22	

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REPORT OF ANALYTICAL RESULTS

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LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES		SAMPLED BY	
7714-6	BC3-MW2	9-13-89	Client	
7714-7	BC3-MW7	9-13-89		
PARAMETER			7714-6	7714-7
Lead (239.2/7420)				
Lead , mg/l			0.0050U	0.0050U
Date Collected			09.13.89	09.13.89
Date Analyzed			10.04.89	10.04.89
Dilution factor			1	1
QC Report ID			7714/9-22	7714/9-22

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REPORT OF ANALYTICAL RESULTS

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LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
7714-8	BC-TB6 9-13-89	Client
PARAMETER	7714-8	
Halogenated Volatiles (8010)		
Benzyl chloride, ug/l	1.00	
bis(2-Chloroethoxy) methane, ug/l	1.00	
bis(2-Chloro-1-methylethyl) ether, ug/l	1.00	
Bromobenzene, ug/l	1.00	
Bromodichloromethane, ug/l	1.00	
Bromoform, ug/l	1.00	
Bromomethane, ug/l	1.00	
Carbon Tetrachloride, ug/l	1.00	
Chloroacetaldehyde, ug/l	1.00	
Chlorobenzene, ug/l	1.00	
Chloroethane, ug/l	1.00	
Chloroform, ug/l	1.00	
1-Chlorohexane, ug/l	1.00	
2-Chloroethylvinyl Ether, ug/l	1.00	
Chloromethane, ug/l	1.00	
Chloromethyl methyl ether, ug/l	1.00	
Chlorotoluene, ug/l	1.00	
Dibromochloromethane, ug/l	1.00	
Dibromomethane, ug/l	1.00	
1,2-Dichlorobenzene, ug/l	1.00	
1,3-Dichlorobenzene, ug/l	1.00	
1,4-Dichlorobenzene, ug/l	1.00	

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REPORT OF ANALYTICAL RESULTS

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LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
7714-8	BC-TB6 9-13-89	Client
PARAMETER	7714-8	
Dichlorodifluoromethane, ug/l	1.00	
1,1-Dichloroethane, ug/l	1.00	
1,2-Dichloroethane, ug/l	1.00	
1,1-Dichloroethene, ug/l	1.00	
1,2-Dichloroethylene, ug/l	1.00	
Dichloromethane, ug/l	1.00	
1,2-Dichloropropane, ug/l	1.00	
1,3-Dichloropropylene, ug/l	1.00	
1,1,2,2-Tetrachloroethane, ug/l	1.00	
1,1,1,2-Tetrachloroethane, ug/l	1.00	
Tetrachloroethylene, ug/l	1.00	
1,1,1-Trichloroethane, ug/l	1.00	
1,1,2-Trichloroethane, ug/l	1.00	
Trichloroethene, ug/l	1.00	
Trichlorofluoromethane, ug/l	1.00	
Trichloropropane, ug/l	1.00	
Vinyl Chloride, ug/l	1.00	
Column	1% SP-1000	
Date Collected	09.13.89	
Date Analyzed	09.23.89	
Dilution factor	1	
Surrogate - Bromochloro- methane (70-130 % Rec)	116 %	
QC Report ID	7714/9-22	

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LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
7714-8	BC-TB6 9-13-89	Client
PARAMETER	7714-8	
Aromatic Volatiles (8020)		
Benzene, ug/l	1.00	
Chlorobenzene, ug/l	1.00	
1,2-Dichlorobenzene, ug/l	1.00	
1,3-Dichlorobenzene, ug/l	1.00	
1,4-Dichlorobenzene, ug/l	1.00	
Ethylbenzene, ug/l	1.00	
Toluene, ug/l	1.00	
Xylenes, ug/l	1.00	
Column	1% SP-1000	
Date Collected	09.13.89	
Date Analyzed	09.23.89	
Dilution factor	1	
Surrogate - Trifluoro- toluene (70-130 % Rec)	96 %	
QC Report ID	7714/9-22	

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REPORT OF ANALYTICAL RESULTS

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LOG NO	SAMPLE DESCRIPTION , QC SAMPLES	SAMPLED BY
7714-9	Method Blank	Client
7714-10	Matrix Spike/MSD Added	
7714-11	Sample Concentration	
7714-12	MS Concentration	
7714-13	MS % Recovery	

PARAMETER	7714-9	7714-10	7714-11	7714-12	7714-13
Halogenated Volatiles (8010)					
Benzyl chloride, ug/l	1.00	—	—	—	—
bis(2-Chloroethoxy) methane, ug/l	1.00	—	—	—	—
bis(2-Chloro-1-methylethyl) ether, ug/l	1.00	—	—	—	—
Bromobenzene, ug/l	1.00	—	—	—	—
Bromodichloromethane, ug/l	1.00	—	—	—	—
Bromoform, ug/l	1.00	—	—	—	—
Bromomethane, ug/l	1.00	—	—	—	—
Carbon Tetrachloride, ug/l	1.00	—	—	—	—
Chloroacetaldehyde, ug/l	1.00	—	—	—	—
Chlorobenzene, ug/l	1.00	10	1.00	11.8	118 % ✓
Chloroethane, ug/l	1.00	—	—	—	—
Chloroform, ug/l	1.00	—	—	—	—
1-Chlorohexane, ug/l	1.00	—	—	—	—
2-Chloroethylvinyl Ether, ug/l	1.00	—	—	—	—
Chloromethane, ug/l	1.00	—	—	—	—
Chloromethyl methyl ether, ug/l	1.00	—	—	—	—
Chlorotoluene, ug/l	1.00	—	—	—	—

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LOG NO	SAMPLE DESCRIPTION , QC SAMPLES	SAMPLED BY
7714-9	Method Blank	Client
7714-10	Matrix Spike/MSD Added	
7714-11	Sample Concentration	
7714-12	MS Concentration	
7714-13	MS % Recovery	

PARAMETER	7714-9	7714-10	7714-11	7714-12	7714-13
Dibromochloromethane, ug/l	1.00	—	—	—	—
Dibromomethane, ug/l	1.00	—	—	—	—
1,2-Dichlorobenzene, ug/l	1.00	—	—	—	—
1,3-Dichlorobenzene, ug/l	1.00	—	—	—	—
1,4-Dichlorobenzene, ug/l	1.00	—	—	—	—
Dichlorodifluoromethane, ug/l	1.00	—	—	—	—
1,1-Dichloroethane, ug/l	1.00	—	—	—	—
1,2-Dichloroethane, ug/l	1.00	—	—	—	—
1,1-Dichloroethene, ug/l	1.00	10	1.00	8.8	88 %
1,2-Dichloroethylene, ug/l	1.00	—	—	—	—
Dichloromethane, ug/l	1.00	—	—	—	—
1,2-Dichloropropane, ug/l	1.00	—	—	—	—
1,3-Dichloropropylene, ug/l	1.00	—	—	—	—
1,1,2,2-Tetrachloroethane, ug/l	1.00	—	—	—	—
1,1,1,2-Tetrachloroethane, ug/l	1.00	—	—	—	—
Tetrachloroethylene, ug/l	1.00	—	—	—	—
1,1,1-Trichloroethane, ug/l	1.00	—	—	—	—
1,1,2-Trichloroethane, ug/l	1.00	—	—	—	—
Trichloroethene, ug/l	1.00	10	1.00	10.9	109 %

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LOG NO	SAMPLE DESCRIPTION , QC SAMPLES	SAMPLED BY
7714-9	Method Blank	Client
7714-10	Matrix Spike/MSD Added	
7714-11	Sample Concentration	
7714-12	MS Concentration	
7714-13	MS % Recovery	

PARAMETER	7714-9	7714-10	7714-11	7714-12	7714-13
Trichlorofluoromethane, ug/l	1.00	—	—	—	—
Trichloropropane, ug/l	1.00	—	—	—	—
Vinyl Chloride, ug/l	1.00	—	—	—	—
Column	1% SP-1000	—	—	1% SP-1000	—
Date Analyzed	09.26.89	—	—	09.26.89	—
Dilution factor	1	—	—	1	—
Surrogate - Bromochloro- methane (70-130 % Rec)	82 %	—	—	96 %	—

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LOG NO	SAMPLE DESCRIPTION , QC SAMPLES				SAMPLED BY
7714-9	Method Blank				Client
7714-10	Matrix Spike/MSD Added				
7714-11	Sample Concentration				
7714-12	MS Concentration				
7714-13	MS % Recovery				
PARAMETER	7714-9	7714-10	7714-11	7714-12	7714-13
Aromatic Volatiles (8020)					
Benzene, ug/l	1.00	10	1.00	11.6	116 %
Chlorobenzene, ug/l	1.00	10	1.00	11.8	118 %
1,2-Dichlorobenzene, ug/l	1.00	—	—	—	—
1,3-Dichlorobenzene, ug/l	1.00	—	—	—	—
1,4-Dichlorobenzene, ug/l	1.00	—	—	—	—
Ethylbenzene, ug/l	1.00	—	—	—	—
Toluene, ug/l	1.00	10	1.00	11.4	114 %
Xylenes, ug/l	1.00	—	—	—	%
Column	1% SP-1000	—	—	1% SP-1000	—
Date Analyzed	09.26.89	—	—	09.26.89	—
Dilution factor	1	—	—	1	—
Surrogate - Trifluoro- toluene (70-130 % Rec)	103 %	—	—	110 %	—
Lead (239.2/7420)					
Lead , mg/l	0.0050U	.020/.020	0.0050U	0.021	105 %
Date Analyzed	10.04.89	—	10.04.89	10.04.89	—

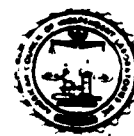
Methods: EPA SW-846

James W. Andrews, Ph.D.
President

Janette Davis Long
Vice-President

**SAVANNAH LABORATORIES
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LOG NO: 89-7714

Received: 14 SEP 89

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Project: AT103 Battle Creek ANGB, Michigan

REPORT OF ANALYTICAL RESULTS

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LOG NO	SAMPLE DESCRIPTION , QC SAMPLES			SAMPLED BY	
7714-14	MSD Concentration			Client	
7714-15	MSD % Recovery				
7714-16	Recovery Limit				
7714-17	% RPD				
7714-18	% RPD Limit				
PARAMETER	7714-14	7714-15	7714-16	7714-17	7714-18
Halogenated Volatiles (8010)					
Chlorobenzene, ug/l	12.3	123 %	86-144 %	4.1 %	0-30 %
1,1-Dichloroethene, ug/l	9.7	97 %	75-125 %	12 %	0-30 %
Trichloroethene, ug/l	11.9	119 %	65-135 %	8.9 %	0-30 %
Column	1% SP-1000	—	—	—	—
Date Analyzed	09.24.89	—	—	—	—
Surrogate - Bromochloro- methane (70-130 % Rec)	104 %	—	—	—	—
Aromatic Volatiles (8020)					
Benzene, ug/l	12.5	125 %	75-125 %	7.5 %	0-30 %
Chlorobenzene, ug/l	12.3	123 %	56-144 %	4.1 %	0-30 %
Toluene, ug/l	12.4	124 %	70-130 %	8.4 %	0-30 %
Column	1% SP-1000	—	—	—	—
Date Analyzed	09.24.89	—	—	—	—
Surrogate - Trifluoro- toluene (70-130 % Rec)	122 %	—	—	—	—
Lead (239.2/7420)					
Lead , mg/l	0.020	100 %	75-125 %	4.9 %	0-20 %
Date Analyzed	10.04.89	—	—	—	—

Methods: EPA SW-846

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REPORT OF ANALYTICAL RESULTS

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LOG NO	SAMPLE DESCRIPTION , QC SAMPLES	SAMPLED BY			
7714-19	Blank Spike Added	Client			
7714-20	Blank Spike Concentration				
7714-21	Blank Spike (% Rec)				
7714-22	Blank Spike Control Limit				

PARAMETER	7714-19	7714-20	7714-21	7714-22
Halogenated Volatiles (8010)				
Chlorobenzene, ug/l	10	10.3	103 %	56-144 %
1,1-Dichloroethene, ug/l	10	8.7	87 %	75-125 %
Trichloroethene, ug/l	10	9.4	94 %	65-135 %
Column	—	1% SP-1000	—	—
Date Analyzed	—	09.24.89	—	—
Dilution factor	—	1	—	—
Surrogate - Bromochloro- methane (70-130 % Rec)	—	97 %	—	—
Aromatic Volatiles (8020)				
Benzene, ug/l	10	10.2	102 %	75-125 %
Chlorobenzene, ug/l	10	10.3	103 %	56-144 %
Toluene, ug/l	10	10.2	102 %	70-130 %
Column	—	1% SP-1000	—	—
Date Analyzed	—	09.24.89	—	—
Dilution factor	—	1	—	—
Surrogate - Trifluoro- toluene (70-130 % Rec)	—	106 %	—	—
Lead (239.2/7420)				
Lead , mg/l	0.020	0.020	100 %	75-125 %
Date Analyzed	—	10.04.89	—	—

Methods: EPA SW-846

J. W. Andrews

J. W. Andrews, Ph. D.

APPENDIX J
LABORATORY DATA REPORTS FOR
THE 1991 SAMPLING EVENT

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LOG NO: S1-32129

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Project: AT561 Battle Creek, Michigan

REPORT OF RESULTS

Page 1

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	SAMPLED BY				
32129-1	BC2-SED3-3 (3-14-91) (SDG # B00001)	Client				
32129-2	BC2-SED2-3 (3-14-91) (SDG # B00001)					
32129-3	BC2-SED4-3 (3-14-91) (SDG # B00001)					
32129-4	BC2-SED5-3 (3-14-91) (SDG # B00001)					
32129-5	BC2-SED10-3 (3-14-91) (SDG # B00001)					
PARAMETER	32129-1	32129-2	32129-3	32129-4	32129-5	
Volatiles by GC/MS (8240)						
Chloromethane, ug/kg dw	10U	12U	12U	15U	13U	
Bromomethane, ug/kg dw	10U	12U	12U	15U	13U	
Vinyl Chloride, ug/kg dw	10U	12U	12U	15U	13U	
Chloroethane, ug/kg dw	10U	12U	12U	15U	13U	
Methylene Chloride, ug/kg dw	5U	6U	6U	8U	6U	
Acetone, ug/kg dw	12U	12U	12	15U	13U	
Carbon Disulfide, ug/kg dw	0.8J	6U	6U	8U	6U	
1,1-Dichloroethene, ug/kg dw	5U	6U	6U	8U	6U	
1,1-Dichloroethane, ug/kg dw	5U	6U	6U	8U	6U	
Trans-1,2-Dichloroethene, ug/kg dw	5U	6U	6U	8U	6U	
Chloroform, ug/kg dw	5U	6U	6U	8U	6U	
1,2-Dichloroethane, ug/kg dw	5U	6U	6U	8U	6U	
2-Butanone, ug/kg dw	10U	12U	12U	15U	13U	
1,1,1-Trichloroethane, ug/kg dw	5U	6U	6U	8U	6U	
Carbon Tetrachloride, ug/kg dw	5U	6U	6U	8U	6U	
Vinyl Acetate, ug/kg dw	10U	12U	12U	15U	13U	
Bromodichloromethane, ug/kg dw	5U	6U	6U	8U	6U	
1,1,2,2-Tetrachloroethane, ug/kg dw	5U	6U	6U	8U	6U	
1,2-Dichloropropane, ug/kg dw	5U	6U	6U	8U	6U	

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Page 2

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32129-1	BC2-SED3-3 (3-14-91) (SDG # B00001)			Client	
32129-2	BC2-SED2-3 (3-14-91) (SDG # B00001)				
32129-3	BC2-SED4-3 (3-14-91) (SDG # B00001)				
32129-4	BC2-SED5-3 (3-14-91) (SDG # B00001)				
32129-5	BC2-SED10-3 (3-14-91) (SDG # B00001)				
PARAMETER	32129-1	32129-2	32129-3	32129-4	32129-5
Trans-1,3-Dichloropropene, ug/kg dw	5U	6U	6U	8U	6U
Trichloroethene, ug/kg dw	5U	6U	6U	8U	6U
Dibromochloromethane, ug/kg dw	5U	6U	6U	8U	6U
1,1,2-Trichloroethane, ug/kg dw	5U	6U	6U	8U	6U
Benzene, ug/kg dw	5U	6U	6U	8U	6U
Cis-1,3-Dichloropropene, ug/kg dw	5U	6U	6U	8U	6U
Bromoform, ug/kg dw	5U	6U	6U	8U	6U
2-Hexanone, ug/kg dw	10U	12U	12U	15U	13U
4-Methyl-2-pentanone, ug/kg dw	10U	12U	12U	15U	13U
Tetrachloroethene, ug/kg dw	5U	83	6U	8U	6U
Toluene, ug/kg dw	5U	11	8	8U	6U
Chlorobenzene, ug/kg dw	5U	6U	6U	8U	6U
Ethylbenzene, ug/kg dw	5U	6U	6U	8U	6U
Styrene, ug/kg dw	5U	12	6U	8U	6U
Xylenes, ug/kg dw	5U	6U	6U	8U	6U
Surrogate-TOL (CL 34-138)	109 %	115 %	110 %	93 %	96 %
Surrogate-BFB (CL 59-113)	115 %	95 %	89 %	112 %	97 %
Surrogate-DCE (CL 70-121)	109 %	91 %	90 %	90 %	80 %
BFB-Tuning	PASSED	PASSED	PASSED	PASSED	PASSED
Date Analyzed	03.20.91	03.22.91	03.22.91	03.21.91	03.22.91

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REPORT OF RESULTS

Page 3

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	SAMPLED BY				
32129-1	BC2-SED3-3 (3-14-91) (SDG # B00001)	Client				
32129-2	BC2-SED2-3 (3-14-91) (SDG # B00001)					
32129-3	BC2-SED4-3 (3-14-91) (SDG # B00001)					
32129-4	BC2-SED5-3 (3-14-91) (SDG # B00001)					
32129-5	BC2-SED10-3 (3-14-91) (SDG # B00001)					
PARAMETER	32129-1	32129-2	32129-3	32129-4	32129-5	
Semivolatiles (8270)						
Phenol, ug/kg dw	3400U	3900U	380U	5000U	4300U	
bis(2-Chloroethyl) ether, ug/kg dw	3400U	3900U	380U	5000U	4300U	
2-Chlorophenol, ug/kg dw	3400U	3900U	380U	5000U	4300U	
1,3-Dichlorobenzene, ug/kg dw	3400U	3900U	380U	5000U	4300U	
1,4-Dichlorobenzene, ug/kg dw	3400U	3900U	380U	5000U	4300U	
Benzyl alcohol, ug/kg dw	3400U	3900U	380U	5000U	4300U	
1,2-Dichlorobenzene, ug/kg dw	3400U	3900U	380U	5000U	4300U	
2-Methylphenol (o-cresol), ug/kg dw	3400U	3900U	380U	5000U	4300U	
Bis(2-chloroisopropyl)ether , ug/kg dw	3400U	3900U	380U	5000U	4300U	
4-Methylphenol (p-cresol), ug/kg dw	3400U	3900U	380U	5000U	4300U	
N-Nitroso-di-n-propylamine, ug/kg dw	3400U	3900U	380U	5000U	4300U	
Hexachloroethane, ug/kg dw	3400U	3900U	380U	5000U	4300U	
Nitrobenzene, ug/kg dw	3400U	3900U	380U	5000U	4300U	
Isophorone, ug/kg dw	3400U	3900U	380U	5000U	4300U	

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REPORT OF RESULTS

Page 4

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	SAMPLED BY				
32129-1	BC2-SED3-3 (3-14-91) (SDG # B00001)	Client				
32129-2	BC2-SED2-3 (3-14-91) (SDG # B00001)					
32129-3	BC2-SED4-3 (3-14-91) (SDG # B00001)					
32129-4	BC2-SED5-3 (3-14-91) (SDG # B00001)					
32129-5	BC2-SED10-3 (3-14-91) (SDG # B00001)					
PARAMETER	32129-1	32129-2	32129-3	32129-4	32129-5	
2-Nitrophenol, ug/kg dw	3400U	3900U	380U	5000U	4300U	
2,4-Dimethylphenol, ug/kg dw	3400U	3900U	380U	5000U	4300U	
Benzoic acid, ug/kg dw	17000U	20000U	1900U	25000U	21000U	
bis(2-Chloroethoxy) methane, ug/kg dw	3400U	3900U	380U	5000U	4300U	
2,4-Dichlorophenol, ug/kg dw	3400U	3900U	380U	5000U	4300U	
1,2,4-Trichlorobenzene, ug/kg dw	3400U	3900U	380U	5000U	4300U	
Naphthalene, ug/kg dw	3400U	3900U	380U	5000U	4300U	
4-Chloroaniline, ug/kg dw	3400U	3900U	380U	5000U	4300U	
Hexachlorobutadiene, ug/kg dw	3400U	3900U	380U	5000U	4300U	
4-Chloro-3-methylphenol, ug/kg dw	3400U	3900U	380U	5000U	4300U	
2-Methylnaphthalene, ug/kg dw	3400U	3900U	380U	5000U	4300U	
Hexachlorocyclopentadiene, ug/kg dw	3400U	3900U	380U	5000U	4300U	
2,4,6-Trichlorophenol, ug/kg dw	3400U	3900U	380U	5000U	4300U	
2,4,5-Trichlorophenol, ug/kg dw	17000U	20000U	1900U	25000U	21000U	
2-Chloronaphthalene, ug/kg dw	3400U	3900U	380U	5000U	4300U	
2-Nitroaniline, ug/kg dw	17000U	20000U	1900U	25000U	21000U	
Dimethylphthalate, ug/kg dw	3400U	3900U	380U	5000U	4300U	
Acenaphthylene, ug/kg dw	3400U	3900U	380U	5000U	4300U	

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REPORT OF RESULTS

Page 5

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	SAMPLED BY				
32129-1	BC2-SED3-3 (3-14-91) (SDG # B00001)	Client				
32129-2	BC2-SED2-3 (3-14-91) (SDG # B00001)					
32129-3	BC2-SED4-3 (3-14-91) (SDG # B00001)					
32129-4	BC2-SED5-3 (3-14-91) (SDG # B00001)					
32129-5	BC2-SED10-3 (3-14-91) (SDG # B00001)					
PARAMETER	32129-1	32129-2	32129-3	32129-4	32129-5	
3-Nitroaniline, ug/kg dw	17000U	20000U	1900U	25000U	21000U	
Acenaphthene, ug/kg dw	3400U	3900U	380U	5000U	4300U	
2,4-Dinitrophenol, ug/kg dw	17000U	20000U	1900U	25000U	21000U	
4-Nitrophenol, ug/kg dw	17000U	20000U	1900U	25000U	21000U	
Dibenzofuran, ug/kg dw	3400U	3900U	380U	5000U	4300U	
2,4-Dinitrotoluene, ug/kg dw	3400U	3900U	380U	5000U	4300U	
2,6-Dinitrotoluene, ug/kg dw	3400U	3900U	380U	5000U	4300U	
Diethylphthalate, ug/kg dw	3400U	3900U	380U	5000U	4300U	
4-Chlorophenyl-phenyl ether, ug/kg dw	3400U	20000U	380U	5000U	4300U	
Fluorene, ug/kg dw	3400U	3200J	380U	5000U	4300U	
4-Nitroaniline, ug/kg dw	17000U	20000U	1900U	25000U	21000U	
4,6-Dinitro-2-methylphenol, ug/kg dw	17000U	20000U	1900U	25000U	21000U	
N-Nitrosodiphenylamine/Diphenylamine, ug/kg dw	3400U	3900U	380U	5000U	4300U	
4-Bromophenyl-phenyl-ether, ug/kg dw	3400U	3900U	380U	5000U	4300U	
Hexachlorobenzene, ug/kg dw	3400U	3900U	380U	5000U	4300U	
Pentachlorophenol, ug/kg dw	17000U	20000U	1900U	25000U	21000U	

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REPORT OF RESULTS

Page 6

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	SAMPLED BY				
32129-1	BC2-SED3-3 (3-14-91) (SDG # B00001)	Client				
32129-2	BC2-SED2-3 (3-14-91) (SDG # B00001)					
32129-3	BC2-SED4-3 (3-14-91) (SDG # B00001)					
32129-4	BC2-SED5-3 (3-14-91) (SDG # B00001)					
32129-5	BC2-SED10-3 (3-14-91) (SDG # B00001)					
PARAMETER	32129-1	32129-2	32129-3	32129-4	32129-5	
Phenanthrene, ug/kg dw	3900	24000	1100	8000	17000	
Anthracene, ug/kg dw	3400U	5100	380U	5000U	2700J	
Di-n-butylphthalate, ug/kg dw	3400U	3900U	380U	5000U	32000	
Fluoranthene, ug/kg dw	6300	30000	2000	19000	30000	
Pyrene, ug/kg dw	5500J	27000J	2000J	17000J	4300U	
Butylbenzylphthalate, ug/kg dw	3400U	3900U	380U	5000U	4300U	
3,3'-Dichlorobenzidine, ug/kg dw	6900U	7900U	760U	10000U	8500U	
Benzo(a)anthracene, ug/kg dw	3000J	13000	1200	7100	17000	
bis(2-Ethylhexyl) phthalate, ug/kg dw	3400U	6200	380U	3300J	4300U	
Chrysene, ug/kg dw	3700	14000	1500	12000	22000	
Di-n-octylphthalate, ug/kg dw	3400U	3900U	380U	5000U	4300U	
Benzo(b)fluoranthene, ug/kg dw	2800J	7400	1600	14000	25000	
Benzo(k)fluoranthene, ug/kg dw	3000J	11000	1300	12000	18000	
Benzo(a)pyrene, ug/kg dw	2600J	13000	1200	9800	19000	
Indeno (1,2,3-cd)pyrene, ug/kg dw	3400U	7900	770	7200	13000	
Dibenz(a,h)anthracene, ug/kg dw	3400U	3900U	380U	5000U	4300U	
Benzo(g,h,i)perylene, ug/kg dw	3400U	8100	780	7000	13000	
Surrogate-NBZ (CL 23-120)	71 %	82 %	72 %	68 %	88 %	
Surrogate-FBP (CL 30-115)	96 %	95 %	79 %	87 %	100 %	

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32129-2	BC2-SED2-3 (3-14-91) (SDG # B00001)				
32129-3	BC2-SED4-3 (3-14-91) (SDG # B00001)				
32129-4	BC2-SED5-3 (3-14-91) (SDG # B00001)				
32129-5	BC2-SED10-3 (3-14-91) (SDG # B00001)				
PARAMETER	32129-1	32129-2	32129-3	32129-4	32129-5
Surrogate-TPH (CL 18-137)	110 %	109 %	87 %	101 %	108 %
Surrogate-PHL (CL 24-113)	92 %	94 %	89 %	82 %	104 %
Surrogate-2FP (CL 25-121)	93 %	94 %	79 %	82 %	100 %
Surrogate-TBP (CL 19-122)	20 %	69 %	30 %	51 %	72 %
DFTPP-Tuning	PASSED	PASSED	PASSED	PASSED	PASSED
Date Extracted	03.20.91	03.20.91	03.20.91	03.20.91	03.20.91
Date Analyzed	03.23.91	03.23.91	03.23.91	03.23.91	03.23.91
ICP Metals (6010)					
Antimony, mg/kg dw	5.2UN	5.7UN	5.5UN	7.4UN	6.4UN
Beryllium, mg/kg dw	0.52U	0.57U	0.56U	0.74U	0.74
Cadmium, mg/kg dw	1.0	21.1	1.2	14.4	4.5
Chromium, mg/kg dw	5.3	60.7	10.8	39.6	31.2
Copper, mg/kg dw	12.1	65.8	16.7	161	45.6
Nickel, mg/kg dw	8.6	8.5	11.6	28.2	24.0
Silver, mg/kg dw	3.6	2.2	3.4	8.5	7.8
Zinc, mg/kg dw	59.6E	289E	72.3E	324E	211E
Date Analyzed	03.21.91	03.21.91	03.21.91	03.21.91	03.21.91
Arsenic (7060)					
Arsenic, mg/kg dw	6.7	6.4+	14.1	28.38	68.0S
Date Analyzed	04.12.91	04.12.91	04.12.91	04.12.91	04.12.91

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LOG NO: S1-32129

Received: 15 MAR 91

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Project: AT561 Battle Creek, Michigan

REPORT OF RESULTS

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LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	SAMPLED BY			
32129-1	BC2-SED3-3 (3-14-91) (SDG # B00001)	Client			
32129-2	BC2-SED2-3 (3-14-91) (SDG # B00001)				
32129-3	BC2-SED4-3 (3-14-91) (SDG # B00001)				
32129-4	BC2-SED5-3 (3-14-91) (SDG # B00001)				
32129-5	BC2-SED10-3 (3-14-91) (SDG # B00001)				
PARAMETER	32129-1	32129-2	32129-3	32129-4	32129-5
Lead (7421)					
Lead, mg/kg dw	15.6	105	43.4	250	169
Date Analyzed	03.21.91	03.21.91	03.21.91	03.21.91	03.21.91
Mercury (7470/7471)					
Mercury, mg/kg dw	0.01N	0.06N	0.08N	0.21N	0.12N
Date Analyzed	03.27.91	03.27.91	03.27.91	03.27.91	03.27.91
Selenium (7740)					
Selenium, mg/kg dw	2.6UW	2.9UW	2.8UW	3.6UW	3.2UW
Date Analyzed	04.12.91	04.12.91	04.12.91	04.12.91	04.12.91
Thallium (7841)					
Thallium, mg/kg dw	0.52U	0.57U	0.56U	0.72U	0.64U
Date Analyzed	04.12.91	04.12.91	04.12.91	04.12.91	04.12.91
Percent Solids, %	97 %	84 %	86 %	66 %	78 %

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LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	SAMPLED BY		
32129-6	BC2-SED6-3 (3-14-91) (SDG # B00001)	Client		
32129-7	BC2-SED7-3 (3-14-91) (SDG # B00001)			
32129-8	BC2-SED1-3 (3-14-91) (SDG # B00001)			
PARAMETER		32129-6	32129-7	32129-8
Volatiles by GC/MS (8240)				
Chloromethane, ug/kg dw		12UJ	13U	11UJ
Bromomethane, ug/kg dw		12UJ	13U	11UJ
Vinyl Chloride, ug/kg dw		12UJ	13U	11UJ
Chloroethane, ug/kg dw		12UJ	13U	11UJ
Methylene Chloride, ug/kg dw		6UJ	7U	6UJ
Acetone, ug/kg dw		12UJ	13	11UJ
Carbon Disulfide, ug/kg dw		6UJ	7U	6UJ
1,1-Dichloroethene, ug/kg dw		6UJ	7U	6UJ
1,1-Dichloroethane, ug/kg dw		6UJ	7U	6UJ
Trans-1,2-Dichloroethene, ug/kg dw		6UJ	7U	6UJ
Chloroform, ug/kg dw		6UJ	7U	6UJ
1,2-Dichloroethane, ug/kg dw		6UJ	7U	6UJ
2-Butanone, ug/kg dw		12UJ	13U	11UJ
1,1,1-Trichloroethane, ug/kg dw		6UJ	7U	6UJ
Carbon Tetrachloride, ug/kg dw		6UJ	7U	6UJ
Vinyl Acetate, ug/kg dw		12U	13U	11UJ
Bromodichloromethane, ug/kg dw		6UJ	7U	6UJ
1,1,2,2-Tetrachloroethane, ug/kg dw		6UJ	7U	6UJ
1,2-Dichloropropane, ug/kg dw		6UJ	7U	6UJ
Trans-1,3-Dichloropropene, ug/kg dw		6UJ	7U	6UJ
Trichloroethene, ug/kg dw		6UJ	7U	6UJ

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LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	SAMPLED BY		
32129-6	BC2-SED6-3 (3-14-91) (SDG # B00001)	Client		
32129-7	BC2-SED7-3 (3-14-91) (SDG # B00001)			
32129-8	BC2-SED1-3 (3-14-91) (SDG # B00001)			
PARAMETER		32129-6	32129-7	32129-8
Dibromochloromethane, ug/kg dw		6U	7U	6U
1,1,2-Trichloroethane, ug/kg dw		6U	7U	6U
Benzene, ug/kg dw		6U	7U	6U
Cis-1,3-Dichloropropene, ug/kg dw		6U	7U	6U
Bromoform, ug/kg dw		6U	7U	6U
2-Hexanone, ug/kg dw		12U	13U	11U
4-Methyl-2-pentanone, ug/kg dw		12U	13U	11U
Tetrachloroethene, ug/kg dw		6U	7U	6U
Toluene, ug/kg dw		6U	7U	1J
Chlorobenzene, ug/kg dw		6U	7U	6U
Ethylbenzene, ug/kg dw		6U	7U	6U
Styrene, ug/kg dw		6U	7U	6U
Xylenes, ug/kg dw		6U	7U	6U
Surrogate-TOL (CL 84-138)		102 Z	97 Z	91 Z
Surrogate-BFB (CL 59-113)		103 Z	78 Z	86 Z
Surrogate-DCE (CL 70-121)		97 Z	102 Z	93 Z
BFB-Tuning		PASSED	PASSED	PASSED
Date Analyzed		03.21.91	03.22.91	03.22.91

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32129-7	BC2-SED7-3 (3-14-91) (SDG # B00001)	
32129-8	BC2-SED1-3 (3-14-91) (SDG # B00001)	

PARAMETER	32129-6	32129-7	32129-8
Semivolatiles (8270)			
Phenol, ug/kg dw	3900U	430U	380U
bis(2-Chloroethyl) ether, ug/kg dw	3900U	430U	380U
2-Chlorophenol, ug/kg dw	3900U	430U	380U
1,3-Dichlorobenzene, ug/kg dw	3900U	430U	380U
1,4-Dichlorobenzene, ug/kg dw	3900U	430U	380U
Benzyl alcohol, ug/kg dw	3900U	430U	380U
1,2-Dichlorobenzene, ug/kg dw	3900U	430U	380U
2-Methylphenol (o-cresol), ug/kg dw	3900U	430U	380U
Bis(2-chloroisopropyl)ether, ug/kg dw	3900U	430U	380U
4-Methylphenol (p-cresol), ug/kg dw	3900U	630	380U
N-Nitroso-di-n-propylamine, ug/kg dw	3900U	430U	380U
Hexachloroethane, ug/kg dw	3900U	430U	380U
Nitrobenzene, ug/kg dw	3900U	430U	380U
Isophorone, ug/kg dw	3900U	430U	380U
2-Nitrophenol, ug/kg dw	3900U	430U	380U
2,4-Dimethylphenol, ug/kg dw	3900U	430U	380U
Benzoic acid, ug/kg dw	19000U	2100U	1900U
bis(2-Chloroethoxy) methane, ug/kg dw	3900U	430U	380U
2,4-Dichlorophenol, ug/kg dw	3900U	430U	380U
1,2,4-Trichlorobenzene, ug/kg dw	3900U	430U	380U
Naphthalene, ug/kg dw	3900U	430U	380U

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32129-6	BC2-SED6-3 (3-14-91) (SDG # B00001)	Client		
32129-7	BC2-SED7-3 (3-14-91) (SDG # B00001)			
32129-8	BC2-SED1-3 (3-14-91) (SDG # B00001)			
PARAMETER		32129-6	32129-7	32129-8
4-Chloroaniline, ug/kg dw		3900U	430U	380U
Hexachlorobutadiene, ug/kg dw		3900U	430U	380U
4-Chloro-3-methylphenol, ug/kg dw		3900U	430U	380U
2-Methylnaphthalene, ug/kg dw		3900U	430U	380U
Hexachlorocyclopentadiene, ug/kg dw		3900U	430U	380U
2,4,6-Trichlorophenol, ug/kg dw		3900U	430U	380U
2,4,5-Trichlorophenol, ug/kg dw		19000U	2100U	1900U
2-Chloronaphthalene, ug/kg dw		3900U	430U	380U
2-Nitroaniline, ug/kg dw		19000U	2100U	1900U
Dimethylphthalate, ug/kg dw		3900U	430U	2700U
Acenaphthylene, ug/kg dw		3900U	430U	380U
3-Nitroaniline, ug/kg dw		19000U	2100U	1900U
Acenaphthene, ug/kg dw		3900U	430U	380U
2,4-Dinitrophenol, ug/kg dw		19000U	2100U	1900U
4-Nitrophenol, ug/kg dw		19000U	2100U	1900U
Dibenzofuran, ug/kg dw		3900U	430U	380U
2,4-Dinitrotoluene, ug/kg dw		3900U	430U	380U
2,6-Dinitrotoluene, ug/kg dw		3900U	430U	380U
Diethylphthalate, ug/kg dw		3900U	430U	380U
4-Chlorophenyl-phenyl ether, ug/kg dw		3900U	430U	380U
Fluorene, ug/kg dw		3900U	430U	380U
4-Nitroaniline, ug/kg dw		19000U	2100U	1900U

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32129-6	BC2-SED6-3 (3-14-91) (SDG # B00001)	Client
32129-7	BC2-SED7-3 (3-14-91) (SDG # B00001)	
32129-8	BC2-SED1-3 (3-14-91) (SDG # B00001)	

PARAMETER	32129-6	32129-7	32129-8
4,6-Dinitro-2-methylphenol, ug/kg dw	19000U	2100U	1900U
N-Nitrosodiphenylamine/Diphenylamine, ug/kg dw	3900U	430U	380U
4-Bromophenyl-phenyl-ether, ug/kg dw	3900U	430U	380U
Hexachlorobenzene, ug/kg dw	3900U	430U	380U
Pentachlorophenol, ug/kg dw	19000U	2100U	1900U
Phenanthrene, ug/kg dw	8500	570	330J
Anthracene, ug/kg dw	3900U	430U	380U
Di-n-butylphthalate, ug/kg dw	3900U	430U	380U
Fluoranthene, ug/kg dw	15000	1200	620
Pyrene, ug/kg dw	15000	1200	1100
Butylbenzylphthalate, ug/kg dw	3900U	430U	3000
3,3'-Dichlorobenzidine, ug/kg dw	7700U	850U	760U
Benzo(a)anthracene, ug/kg dw	5000	620	350J
bis(2-Ethylhexyl) phthalate, ug/kg dw	3900U	430U	350J
Chrysene, ug/kg dw	8200	880	420
Di-n-octylphthalate, ug/kg dw	3900U	430U	380U
Benzo(b)fluoranthene, ug/kg dw	11000	830	510
Benzo(k)fluoranthene, ug/kg dw	8400	850	420
Benzo(a)pyrene, ug/kg dw	6800	770	260J
Indeno (1,2,3-cd)pyrene, ug/kg dw	6900	500	380U
Dibenz(a,h)anthracene, ug/kg dw	3900U	430U	380U
Benzo(g,h,i)perylene, ug/kg dw	7400	510	380U

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32129-6	BC2-SED6-3 (3-14-91) (SDG # B00001)	Client		
32129-7	BC2-SED7-3 (3-14-91) (SDG # B00001)			
32129-8	BC2-SED1-3 (3-14-91) (SDG # B00001)			
PARAMETER	32129-6	32129-7	32129-8	
Surrogate-NBZ (CL 23-120)	85 %	72 %	71 %	
Surrogate-FBP (CL 30-115)	102 %	70 %	76 %	
Surrogate-TPH (CL 18-137)	139 %	75 %	141 %	
Surrogate-PHL (CL 24-113)	104 %	89 %	83 %	
Surrogate-2FP (CL 25-121)	101 %	84 %	73 %	
Surrogate-TBP (CL 19-122)	73 %	51 %	39 %	
DFTPP-Tuning	PASSED	PASSED	PASSED	
Date Extracted	03.20.91	03.20.91	03.20.91	
Date Analyzed	03.23.91	03.22.91	04.06.91	
ICP Metals (6010)				
Antimony, mg/kg dw	5.9UN ⁺	6.5UN ⁺	5.7UN ⁺	
Beryllium, mg/kg dw	0.59U	0.65U	0.57U	
Cadmium, mg/kg dw	4.9	1.1	1.6	
Chromium, mg/kg dw	40.1	51.2	17.3	
Copper, mg/kg dw	185	23.8	20.2	
Nickel, mg/kg dw	11.5	10.0	7.4	
Silver, mg/kg dw	3.2	5.7	3.7	
Zinc, mg/kg dw	190E ⁺	66.8E ⁺	78.2E ⁺	
Date Analyzed	03.21.91	03.21.91	03.21.91	
Arsenic (7060)				
Arsenic, mg/kg dw	20.3	24.3	5.5S	
Date Analyzed	04.12.91	04.12.91	04.12.91	

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32129-7	BC2-SED7-3 (3-14-91) (SDG # B00001)			
32129-8	BC2-SED1-3 (3-14-91) (SDG # B00001)			
PARAMETER	32129-6	32129-7	32129-8	
Lead (7421)				
Lead, mg/kg dw	180	193	105	
Date Analyzed	03.21.91	03.21.91	03.21.91	
Mercury (7470/7471)				
Mercury, mg/kg dw	0.12N	0.06N	0.02N	
Date Analyzed	03.27.91	03.27.91	03.27.91	
Selenium (7740)				
Selenium, mg/kg dw	2.9UWN	3.2UWN	2.9UWN	
Date Analyzed	04.12.91	04.12.91	04.12.91	
Thallium (7841)				
Thallium, mg/kg dw	0.59U	0.65U	0.57U	
Date Analyzed	04.12.91	04.12.91	04.12.91	
Percent Solids, %	85 %	77 %	87 %	

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LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID					SAMPLED BY
32129-9	Method Blank - Soil					Client
32129-10	LCS (Z Rec) - Soil					
32129-11	MS/MSD (Z Rec) - Soil					
32129-12	Z RPD - Soil					
32129-13	Calibration Initial/Continuing - Soil					
PARAMETER	32129-9	32129-10	32129-11	32129-12	32129-13	
Volatiles by GC/MS (8240)						
Chloromethane, ug/kg dw	10U	---	---	---	---	**
Bromomethane, ug/kg dw	10U	---	---	---	---	**
Vinyl Chloride, ug/kg dw	10U	---	---	---	---	**
Chloroethane, ug/kg dw	10U	---	---	---	---	**
Methylene Chloride, ug/kg dw	5J/5U	---	---	---	---	**
Acetone, ug/kg dw	8J/10U	---	---	---	---	**
Carbon Disulfide, ug/kg dw	5U	---	---	---	---	**
1,1-Dichloroethene, ug/kg dw	5U	86 %	101/102 %	0.98 %	---	**
1,1-Dichloroethane, ug/kg dw	5U	---	---	---	---	**
Trans-1,2-Dichloroethene, ug/kg dw	5U	---	---	---	---	**
Chloroform, ug/kg dw	5U	---	---	---	---	**
1,2-Dichloroethane, ug/kg dw	5U	---	---	---	---	**
2-Butanone, ug/kg dw	10U	---	---	---	---	**
1,1,1-Trichloroethane, ug/kg dw	5U	---	---	---	---	**
Carbon Tetrachloride, ug/kg dw	5U	---	---	---	---	**
Vinyl Acetate, ug/kg dw	10U	---	---	---	---	**
Bromodichloromethane, ug/kg dw	5U	---	---	---	---	**
1,1,2,2-Tetrachloroethane, ug/kg dw	5U	---	---	---	---	**
1,2-Dichloropropane, ug/kg dw	5U	---	---	---	---	**

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LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID	SAMPLED BY				
32129-9	Method Blank - Soil	Client				
32129-10	LCS (% Rec) - Soil					
32129-11	MS/MSD (% Rec) - Soil					
32129-12	% RPD - Soil					
32129-13	Calibration Initial/Continuing - Soil					
PARAMETER	32129-9	32129-10	32129-11	32129-12	32129-13	
Trans-1,3-Dichloropropene, ug/kg dw	5U	---	---	---	---	**
Trichloroethene, ug/kg dw	5U	98 %	119/144 %	19 %	---	**
Dibromochloromethane, ug/kg dw	5U	---	---	---	---	**
1,1,2-Trichloroethane, ug/kg dw	5U	---	---	---	---	**
Benzene, ug/kg dw	5U	88 %	147/216 %	38 %	---	**
Cis-1,3-Dichloropropene, ug/kg dw	5U	---	---	---	---	**
Bromoform, ug/kg dw	5U	---	---	---	---	**
2-Hexanone, ug/kg dw	10U	---	---	---	---	**
4-Methyl-2-pentanone, ug/kg dw	10U	---	---	---	---	**
Tetrachloroethene, ug/kg dw	5U	---	---	---	---	**
Toluene, ug/kg dw	5U	90 %	220/163 %	30 %	---	**
Chlorobenzene, ug/kg dw	5U	93 %	158/122 %	26 %	---	**
Ethylbenzene, ug/kg dw	5U	---	---	---	---	**
Styrene, ug/kg dw	5U	---	---	---	---	**
Xylenes, ug/kg dw	5U	---	---	---	---	**
Surrogate-TOL (CL 84-138)	100/98 %	103 %	94/95 %	---	---	---
Surrogate-BFB (CL 59-113)	113/100 %	93 %	99/98 %	---	---	---
Surrogate-DCE (CL 70-121)	101/106 %	106 %	94/92 %	---	---	---
BFB-Tuning	PASSED	PASSED	PASSED	---	---	---
Date Analyzed	3.20/21.91	---	---	---	---	---

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32129-9	Method Blank - Soil				Client
32129-10	LCS (% Rec) - Soil				
32129-11	MS/MSD (% Rec) - Soil				
32129-12	% RPD - Soil				
32129-13	Calibration Initial/Continuing - Soil				
PARAMETER	32129-9	32129-10	32129-11	32129-12	32129-13
Semivolatiles (8270)					
Phenol, ug/kg dw	330U	66 %	87/93 %	6.7 %	**
bis(2-Chloroethyl) ether, ug/kg dw	330U	---	---	---	**
2-Chlorophenol, ug/kg dw	330U	66 %	63/82 %	26 %	**
1,3-Dichlorobenzene, ug/kg dw	330U	---	---	---	**
1,4-Dichlorobenzene, ug/kg dw	330U	70 %	68/87 %	25 %	**
Benzyl alcohol, ug/kg dw	330U	---	---	---	**
1,2-Dichlorobenzene, ug/kg dw	330U	---	---	---	**
2-Methylphenol (o-cresol), ug/kg dw	330U	---	---	---	**
Bis(2-chloroisopropyl)ether , ug/kg dw	330U	---	---	---	**
4-Methylphenol (p-cresol), ug/kg dw	330U	---	---	---	**
N-Nitroso-di-n-propylamine, ug/kg dw	330U	69 %	58/78 %	29 %	**
Hexachloroethane, ug/kg dw	330U	---	---	---	**
Nitrobenzene, ug/kg dw	330U	---	---	---	**
Isophorone, ug/kg dw	330U	---	---	---	**
2-Nitrophenol, ug/kg dw	330U	---	---	---	**

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LOG NO: S1-32129

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Project: AT561 Battle Creek, Michigan

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LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID	SAMPLED BY				
32129-9	Method Blank - Soil	Client				
32129-10	LCS (% Rec) - Soil					
32129-11	MS/MSD (% Rec) - Soil					
32129-12	% RPD - Soil					
32129-13	Calibration Initial/Continuing - Soil					
PARAMETER	32129-9	32129-10	32129-11	32129-12	32129-13	
2,4-Dimethylphenol, ug/kg dw	330U	---	---	---	---	**
Benzoic acid, ug/kg dw	1700U	---	---	---	---	**
bis(2-Chloroethoxy) methane, ug/kg dw	330U	---	---	---	---	**
2,4-Dichlorophenol, ug/kg dw	330U	---	---	---	---	**
1,2,4-Trichlorobenzene, ug/kg dw	330U	76 %	73/84 %	14 %	---	**
Naphthalene, ug/kg dw	330U	---	---	---	---	**
4-Chloroaniline, ug/kg dw	330U	---	---	---	---	**
Hexachlorobutadiene, ug/kg dw	330U	---	---	---	---	**
4-Chloro-3-methylphenol, ug/kg dw	330U	71 %	60/78 %	26 %	---	**
2-Methylnaphthalene, ug/kg dw	330U	---	---	---	---	**
Hexachlorocyclopentadiene, ug/kg dw	330U	---	---	---	---	**
2,4,6-Trichlorophenol, ug/kg dw	330U	---	---	---	---	**
2,4,5-Trichlorophenol, ug/kg dw	1700U	---	---	---	---	**
2-Chloronaphthalene, ug/kg dw	330U	---	---	---	---	**
2-Nitroaniline, ug/kg dw	1700U	---	---	---	---	**
Dimethylphthalate, ug/kg dw	330U	---	---	---	---	**
Acenaphthylene, ug/kg dw	330U	---	---	---	---	**
3-Nitroaniline, ug/kg dw	1700U	---	---	---	---	**

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LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID	SAMPLED BY
32129-9	Method Blank - Soil	Client
32129-10	LCS (% Rec) - Soil	
32129-11	MS/MSD (% Rec) - Soil	
32129-12	% RPD - Soil	
32129-13	Calibration Initial/Continuing - Soil	

PARAMETER	32129-9	32129-10	32129-11	32129-12	32129-13
Acenaphthene, ug/kg dw	330U	81 %	121/127 %	4.8 %	**
2,4-Dinitrophenol, ug/kg dw	1700U	---	---	---	**
4-Nitrophenol, ug/kg dw	1700U	69 %	38/39 %	2.6 %	**
Dibenzofuran, ug/kg dw	330U	---	---	---	**
2,4-Dinitrotoluene, ug/kg dw	330U	75 %	41/51 %	22 %	**
2,6-Dinitrotoluene, ug/kg dw	330U	---	---	---	**
Diethylphthalate, ug/kg dw	330U	---	---	---	**
4-Chlorophenyl-phenyl ether, ug/kg dw	330U	---	---	---	**
Fluorene, ug/kg dw	330U	---	---	---	**
4-Nitroaniline, ug/kg dw	1700U	---	---	---	**
4,6-Dinitro-2-methylphenol, ug/kg dw	1700U	---	---	---	**
N-Nitrosodiphenylamine/Diphenylamine, ug/kg dw	330U	---	---	---	**
4-Bromophenyl-phenyl-ether, ug/kg dw	330U	---	---	---	**
Hexachlorobenzene, ug/kg dw	330U	---	---	---	**
Pentachlorophenol, ug/kg dw	1700U	52 %	14/9 %	43 %	**
Phenanthrene, ug/kg dw	330U	---	---	---	**

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32129-10	LCS (% Rec) - Soil					
32129-11	MS/MSD (% Rec) - Soil					
32129-12	% RPD - Soil					
32129-13	Calibration Initial/Continuing - Soil					
PARAMETER	32129-9	32129-10	32129-11	32129-12	32129-13	
Anthracene, ug/kg dw	330U	---	---	---	---	**
Di-n-butylphthalate, ug/kg dw	330U	---	---	---	---	**
Fluoranthene, ug/kg dw	330U	---	---	---	---	**
Pyrene, ug/kg dw	330U	95 %	0/0 %	0 %	---	**
Butylbenzylphthalate, ug/kg dw	330U	---	---	---	---	**
3,3'-Dichlorobenzidine, ug/kg dw	660U	---	---	---	---	**
Benzo(a)anthracene, ug/kg dw	330U	---	---	---	---	**
bis(2-Ethylhexyl) phthalate, ug/kg dw	330U	---	---	---	---	**
Chrysene, ug/kg dw	330U	---	---	---	---	**
Di-n-octylphthalate, ug/kg dw	330U	---	---	---	---	**
Benzo(b)fluoranthene, ug/kg dw	330U	---	---	---	---	**
Benzo(k)fluoranthene, ug/kg dw	330U	---	---	---	---	**
Benzo(a)pyrene, ug/kg dw	330U	---	---	---	---	**
Indeno (1,2,3-cd)pyrene, ug/kg dw	330U	---	---	---	---	**
Dibenz(a,h)anthracene, ug/kg dw	330U	---	---	---	---	**
Benzo(g,h,i)perylene, ug/kg dw	330U	---	---	---	---	**
Surrogate-NBZ (CL 23-120)	80 %	80 %	75/82 %	---	---	---
Surrogate-FBP (CL 30-115)	78 %	80 %	88/93 %	---	---	---
Surrogate-TPH (CL 18-137)	88 %	97 %	101/100 %	---	---	---

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32129-10	LCS (% Rec) - Soil					
32129-11	MS/MSD (% Rec) - Soil					
32129-12	% RPD - Soil					
32129-13	Calibration Initial/Continuing - Soil					
PARAMETER	32129-9	32129-10	32129-11	32129-12	32129-13	
Surrogate-PHL (CL 24-113)	98 %	83 %	94/98 %	---	---	
Surrogate-2FP (CL 25-121)	90 %	75 %	86/92 %	---	---	
Surrogate-TBP (CL 19-122)	67 %	72 %	61/70 %	---	---	
DFTPP-Tuning	PASSED	PASSED	PASSED	---	---	
Date Extracted	03.20.91	---	---	---	---	
Date Analyzed	03.22.91	---	---	---	---	
ICP Metals (6010)						
Antimony, mg/kg dw	5.0U	---	29/28 %	3.5 %	---	**
Beryllium, mg/kg dw	0.50U	---	92/88 %	4.4 %	---	**
Cadmium, mg/kg dw	0.50U	---	90/92 %	2.2 %	---	**
Chromium, mg/kg dw	1.0U	110 %	108/107 %	0.93 %	---	**
Copper, mg/kg dw	1.0U	110 %	106/112 %	5.5 %	---	**
Nickel, mg/kg dw	1.0U	109 %	98/98 %	0 %	---	**
Silver, mg/kg dw	1.0U	---	105/107 %	1.9 %	---	**
Zinc, mg/kg dw	1.1	101 %	119/124 %	4.1 %	---	**
Date Analyzed	03.21.91	---	---	---	---	
Arsenic (7060)						
Arsenic, mg/kg dw	1.0U	76 %	***	***	---	**
Date Analyzed	04.12.91	---	---	---	---	
Lead (7421)						
Lead, mg/kg dw	5.0U	86 %	104/97 %	7.0 %	---	**
Date Analyzed	03.21.91	---	---	---	---	

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32129-9	Method Blank - Soil	Client			
32129-10	LCS (% Rec) - Soil				
32129-11	MS/MSD (% Rec) - Soil				
32129-12	% RPD - Soil				
32129-13	Calibration Initial/Continuing - Soil				
PARAMETER	32129-9	32129-10	32129-11	32129-12	32129-13
Mercury (7470/7471)					
Mercury , mg/kg dw	0.01U	96 %	59/51 %	15 %	**
Date Analyzed	03.27.91	---	---	---	---
Selenium (7740)					
Selenium, mg/kg dw	0.50UN	85 %	265/275 %	3.7 %	**
Date Analyzed	04.12.91	---	---	---	---
Thallium (7841)					
Thallium, mg/kg dw	0.50U	108 %	85/86 %	1.2 %	**
Date Analyzed	04.12.91	---	---	---	---

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LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
32129-14	BC4-MW1-3 (3-14-91) (SDG # B00002)	Client
PARAMETER	32129-14	
Volatiles by GC/MS (8240)		
Chloromethane, ug/l	2U	
Bromomethane, ug/l	2U	
Vinyl Chloride, ug/l	2U	
Chloroethane, ug/l	2U	
Methylene Chloride, ug/l	1U	
Acetone, ug/l	2U	
Carbon Disulfide, ug/l	1U	
1,1-Dichloroethene, ug/l	1U	
1,1-Dichloroethane, ug/l	1U	
Trans-1,2-Dichloroethene, ug/l	1U	
Chloroform, ug/l	1U	
1,2-Dichloroethane, ug/l	0.36U	
2-Butanone, ug/l	2U ⁶	
1,1,1-Trichloroethane, ug/l	1U	
Carbon Tetrachloride, ug/l	1U	
Vinyl Acetate, ug/l	2U	
Bromodichloromethane, ug/l	1U	
1,1,2,2-Tetrachloroethane, ug/l	1U	
1,2-Dichloropropane, ug/l	1U	
Trans-1,3-Dichloropropene, ug/l	1U	
Trichloroethene, ug/l	1U	
Dibromochloromethane, ug/l	1U	
1,1,2-Trichloroethane, ug/l	1U	

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LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
32129-14	BC4-MW1-3 (3-14-91) (SDG # B00002)	Client
PARAMETER	32129-14	
Benzene, ug/l	0.26U	
Cis-1,3-Dichloropropene, ug/l	1U	
Bromoform, ug/l	1U	
2-Hexanone, ug/l	2U	
4-Methyl-2-pentanone, ug/l	2U	
Tetrachloroethene, ug/l	1U	
Toluene, ug/l	0.40U	
Chlorobenzene, ug/l	1U	
Ethylbenzene, ug/l	1U	
Styrene, ug/l	1U	
Xylenes, ug/l	1U	
Surrogate-TOL (CL 88-110)	88 %	
Surrogate-BFB (CL 86-115)	91 %	
Surrogate-DCE (CL 76-114)	92 %	
BFB-Tuning	PASSED	
Date Analyzed	03.25.91	
ICP Metals (6010)		
Antimony, ug/l	50.0U	
Beryllium, ug/l	5.0U	
Cadmium, ug/l	5.0U	
Chromium, ug/l	10.0U	
Copper, ug/l	10.0U	
Nickel, ug/l	10.0U	
Silver, ug/l	10.0U	
Zinc, ug/l	10.0U	
Date Analyzed	03.21.91	

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LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
32129-14	BC4-MW1-3 (3-14-91) (SDG # B00002)	Client
PARAMETER	32129-14	
Arsenic (7060)		
Arsenic, ug/l	10.00U ^T	
Date Analyzed	03.21.91	
Lead (7421)		
Lead, ug/l	5.0U	
Date Analyzed	03.23.91	
Mercury (7470/7471)		
Mercury, ug/l	0.20U	
Date Analyzed	03.26.91	
Selenium (7740)		
Selenium, ug/l	5.00U ^T	
Date Analyzed	03.29.91	
Thallium (7841)		
Thallium, ug/l	10.0U	
Date Analyzed	03.23.91	

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LOG NO SAMPLE DESCRIPTION , LIQUID SAMPLES SAMPLED BY

32129-15 BC-RB1-3 (3-14-91) (SDG # B00002) Client

PARAMETER 32129-15

Volatiles by GC/MS (8240)

Chloromethane, ug/l	10U
Bromomethane, ug/l	10U
Vinyl Chloride, ug/l	10U
Chloroethane, ug/l	10U
Methylene Chloride, ug/l	5U
Acetone, ug/l	10U
Carbon Disulfide, ug/l	5U
1,1-Dichloroethene, ug/l	5U
1,1-Dichloroethane, ug/l	5U
Trans-1,2-Dichloroethene, ug/l	5U
Chloroform, ug/l	26
1,2-Dichloroethane, ug/l	1.8U
2-Butanone, ug/l	10U
1,1,1-Trichloroethane, ug/l	5U
Carbon Tetrachloride, ug/l	5U
Vinyl Acetate, ug/l	10U
Bromodichloromethane, ug/l	5U
1,1,2,2-Tetrachloroethane, ug/l	5U
1,2-Dichloropropane, ug/l	5U
Trans-1,3-Dichloropropene, ug/l	5U
Trichloroethene, ug/l	5U
Dibromochloromethane, ug/l	5U
1,1,2-Trichloroethane, ug/l	5U

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LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
32129-15	BC-RB1-3 (3-14-91) (SDG # B00002)	Client
PARAMETER	32129-15	
Benzene, ug/l	1.3U	
Cis-1,3-Dichloropropene, ug/l	5U	
Bromoform, ug/l	5U	
2-Hexanone, ug/l	10U	
4-Methyl-2-pentanone, ug/l	10U	
Tetrachloroethene, ug/l	5U	
Toluene, ug/l	2U	
Chlorobenzene, ug/l	5U	
Ethylbenzene, ug/l	5U	
Styrene, ug/l	5U	
Xylenes, ug/l	5U	
Surrogate-TOL (CL 88-110)	91 %	
Surrogate-BFB (CL 86-115)	90 %	
Surrogate-DCE (CL 76-114)	98 %	
BFB-Tuning	PASSED	
Date Analyzed	03.25.91	

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LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
32129-15	BC-RB1-3 (3-14-91) (SDG # B00002)	Client

PARAMETER	32129-15
-----------	----------

Semivolatiles (8270)

Phenol, ug/l	10U
bis(2-Chloroethyl) ether, ug/l	10U
2-Chlorophenol, ug/l	10U
1,3-Dichlorobenzene, ug/l	10U
1,4-Dichlorobenzene, ug/l	10U
Benzyl alcohol, ug/l	10U
1,2-Dichlorobenzene, ug/l	10U
2-Methylphenol (o-cresol), ug/l	10U
Bis(2-chloroisopropyl)ether, ug/l	10U
4-Methylphenol (p-cresol), ug/l	10U
N-Nitroso-di-n-propylamine, ug/l	10U
Hexachloroethane, ug/l	10U
Nitrobenzene, ug/l	10U
Isophorone, ug/l	10U
2-Nitrophenol, ug/l	10U
2,4-Dimethylphenol, ug/l	10U
Benzoic acid, ug/l	50U
bis(2-Chloroethoxy) methane, ug/l	10U
2,4-Dichlorophenol, ug/l	10U
1,2,4-Trichlorobenzene, ug/l	10U
Naphthalene, ug/l	10U
4-Chloroaniline, ug/l	10U
Hexachlorobutadiene, ug/l	10U

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LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
32129-15	BC-RB1-3 (3-14-91) (SDG # B00002)	Client
PARAMETER	32129-15	
4-Chloro-3-methylphenol, ug/l	10U	
2-Methylnaphthalene, ug/l	10U	
Hexachlorocyclopentadiene, ug/l	10U	
2,4,6-Trichlorophenol, ug/l	10U	
2,4,5-Trichlorophenol, ug/l	50U	
2-Chloronaphthalene, ug/l	10U	
2-Nitroaniline, ug/l	50U	
Dimethylphthalate, ug/l	10U	
Acenaphthylene, ug/l	10U	
3-Nitroaniline, ug/l	50U	
Acenaphthene, ug/l	10U	
2,4-Dinitrophenol, ug/l	50U	
4-Nitrophenol, ug/l	50U	
Dibenzofuran, ug/l	10U	
2,4-Dinitrotoluene, ug/l	10U	
2,6-Dinitrotoluene, ug/l	10U	
Diethylphthalate, ug/l	10U	
4-Chlorophenyl-phenyl ether, ug/l	10U	
Fluorene, ug/l	10U	
4-Nitroaniline, ug/l	50U	
4,6-Dinitro-2-methylphenol, ug/l	50U	
N-Nitrosodiphenylamine/Diphenylamine, ug/l	10U	
4-Bromophenyl-phenyl-ether, ug/l	10U	
Hexachlorobenzene, ug/l	10U	

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LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
32129-15	BC-RB1-3 (3-14-91) (SDG # B00002)	Client
PARAMETER	32129-15	
Pentachlorophenol, ug/l	50U	
Phenanthrene, ug/l	10U	
Anthracene, ug/l	10U	
Di-n-butylphthalate, ug/l	10U	
Fluoranthene, ug/l	10U	
Pyrene, ug/l	10U	
Butylbenzylphthalate, ug/l	10U	
3,3'-Dichlorobenzidine, ug/l	20U	
Benzo(a)anthracene, ug/l	10U	
bis(2-Ethylhexyl) phthalate, ug/l	89	
Chrysene, ug/l	10U	
Di-n-octylphthalate, ug/l	10U	
Benzo(b)fluoranthene, ug/l	10U	
Benzo(k)fluoranthene, ug/l	10U	
Benzo(a)pyrene, ug/l	10U	
Indeno (1,2,3-cd)pyrene, ug/l	10U	
Dibenz(a,h)anthracene, ug/l	10U	
Benzo(g,h,i)perylene, ug/l	10U	
Surrogate-NBZ (CL 35-114)	48 X	
Surrogate-FBP (CL 43-116)	51 X	
Surrogate-TPH (CL 33-141)	62 X	
Surrogate-PHL (CL 10-110)	53 X	
Surrogate-2FP (CL 21-100)	51 X	
Surrogate-TBP (CL 10-123)	31 X	
DFTPP-Tuning	PASSED	
Date Extracted	03.20.91	
Date Analyzed	03.26.91	

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LOG NO: S1-32129

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Project: AT561 Battle Creek, Michigan

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LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
32129-15	BC-RB1-3 (3-14-91) (SDG # B00002)	Client
PARAMETER	32129-15	
ICP Metals (6010)		
Antimony, ug/l	50.0U	
Beryllium, ug/l	5.0U	
Cadmium, ug/l	5.0U	
Chromium, ug/l	10.0U	
Copper, ug/l	10.0U	
Nickel, ug/l	10.0U	
Silver, ug/l	10.0U	
Zinc, ug/l	10.0U	
Date Analyzed	03.21.91	
Arsenic (7060)		
Arsenic, ug/l	10.0U	
Date Analyzed	03.21.91	
Lead (7421)		
Lead, ug/l	5.0U	
Date Analyzed	03.23.91	
Mercury (7470/7471)		
Mercury , ug/l	0.20U	
Date Analyzed	03.26.91	
Selenium (7740)		
Selenium, ug/l	5.0U	
Date Analyzed	03.29.91	
Thallium (7841)		
Thallium, ug/l	10.0U	
Date Analyzed	03.23.91	

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LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
32129-16	BC-TB1-3 (3-14-91) (SDG # B00002)	Client

PARAMETER	32129-16
-----------	----------

Volatiles by GC/MS (8240)

Chloromethane, ug/l	2U
Bromomethane, ug/l	2U
Vinyl Chloride, ug/l	2U
Chloroethane, ug/l	2U
Methylene Chloride, ug/l	1U
Acetone, ug/l	2U
Carbon Disulfide, ug/l	1U
1,1-Dichloroethene, ug/l	1U
1,1-Dichloroethane, ug/l	1U
Trans-1,2-Dichloroethene, ug/l	1U
Chloroform, ug/l	0.5J
1,2-Dichloroethane, ug/l	0.36U
2-Butanone, ug/l	2U
1,1,1-Trichloroethane, ug/l	1U
Carbon Tetrachloride, ug/l	1U
Vinyl Acetate, ug/l	2U
Bromodichloromethane, ug/l	1
1,1,2,2-Tetrachloroethane, ug/l	1U
1,2-Dichloropropane, ug/l	1U
Trans-1,3-Dichloropropene, ug/l	1U
Trichloroethene, ug/l	1U
Dibromochloromethane, ug/l	2
1,1,2-Trichloroethane, ug/l	1U

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LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
32129-16	BC-TB1-3 (3-14-91) (SDG # B00002)	Client
PARAMETER	32129-16	
Benzene, ug/l	0.26U	
Cis-1,3-Dichloropropene, ug/l	1U	
Bromoform, ug/l	0.7J	
2-Hexanone, ug/l	2U	
4-Methyl-2-pentanone, ug/l	2U	
Tetrachloroethene, ug/l	1U	
Toluene, ug/l	0.40U	
Chlorobenzene, ug/l	1U	
Ethylbenzene, ug/l	1U	
Styrene, ug/l	1U	
Xylenes, ug/l	1U	
Surrogate-TOL (CL 88-110)	88 Z	
Surrogate-BFB (CL 86-115)	91 Z	
Surrogate-DCE (CL 76-114)	96 Z	
BFB-Tuning	PASSED	
Date Analyzed	03.25.91	

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LOG NO	SAMPLE DESCRIPTION , REPORT FOR LIQUID SAMPLES	SAMPLED BY
--------	--	------------

32129-17	Method Blank - Liquid	Client
32129-18	LCS (% Rec) - Liquid	
32129-19	MS/MSD (% Rec) - Liquid	
32129-20	% RPD - Liquid	
32129-21	Calibration Initial/Continuing - Liquid	

PARAMETER	32129-17	32129-18	32129-19	32129-20	32129-21
-----------	----------	----------	----------	----------	----------

Volatiles by GC/MS (8240)

Chloromethane, ug/l	2U	---	---	---	**
Bromomethane, ug/l	2U	---	---	---	**
Vinyl Chloride, ug/l	2U	---	---	---	**
Chloroethane, ug/l	2U	---	---	---	**
Methylene Chloride, ug/l	1U/1J	---	---	---	**
Acetone, ug/l	2U	---	---	---	**
Carbon Disulfide, ug/l	1U	---	---	---	**
1,1-Dichloroethene, ug/l	1U	98 %	106/108 %	1.9 %	**
1,1-Dichloroethane, ug/l	1U	---	---	---	**
Trans-1,2-Dichloroethene, ug/l	1U	---	---	---	**
Chloroform, ug/l	1U	---	---	---	**
1,2-Dichloroethane, ug/l	0.36U	---	---	---	**
2-Butanone, ug/l	2U	---	---	---	**
1,1,1-Trichloroethane, ug/l	1U	---	---	---	**
Carbon Tetrachloride, ug/l	1U	---	---	---	**
Vinyl Acetate, ug/l	2U	---	---	---	**
Bromodichloromethane, ug/l	1U	---	---	---	**
1,1,2,2-Tetrachloroethane, ug/l	1U	---	---	---	**
1,2-Dichloropropane, ug/l	1U	---	---	---	**

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LOG NO	SAMPLE DESCRIPTION , REPORT FOR LIQUID SAMPLES					SAMPLED BY
32129-17	Method Blank - Liquid					Client
32129-18	LCS (Z Rec) - Liquid					
32129-19	MS/MSD (Z Rec) - Liquid					
32129-20	Z RPD - Liquid					
32129-21	Calibration Initial/Continuing - Liquid					
PARAMETER	32129-17	32129-18	32129-19	32129-20	32129-21	
Trans-1,3-Dichloropropene, ug/l	1U	---	---	---	**	
Trichloroethene, ug/l	1U	110 Z	86/86 Z	0 Z	**	
Dibromochloromethane, ug/l	1U	---	---	---	**	
1,1,2-Trichloroethane, ug/l	1U	---	---	---	**	
Benzene, ug/l	.25J/.26U	99 Z	92/89 Z	3.3 Z	**	
Cis-1,3-Dichloropropene, ug/l	1U	---	---	---	**	
Bromoform, ug/l	1U	---	---	---	**	
2-Hexanone, ug/l	2U	---	---	---	**	
4-Methyl-2-pentanone, ug/l	2U	---	---	---	**	
Tetrachloroethene, ug/l	1U	---	---	---	**	
Toluene, ug/l	0.40U	99 Z	96/96 Z	0 Z	**	
Chlorobenzene, ug/l	1U	98 Z	97/97 Z	0 Z	**	
Ethylbenzene, ug/l	1U	---	---	---	**	
Styrene, ug/l	1U	---	---	---	**	
Xylenes, ug/l	1U	---	---	---	**	
Surrogate-TOL (CL 88-110)	95/90 Z	89 Z	131/121 Z	---	---	
Surrogate-BFB (CL 86-115)	87/98 Z	81 Z	87/110 Z	---	---	
Surrogate-DCE (CL 76-114)	96/94 Z	88 Z	101/105 Z	---	---	
BFB-Tuning	PASSED	PASSED	PASSED	---	---	
Date Analyzed	3.25/26.91	---	---	---	---	

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LOG NO SAMPLE DESCRIPTION , REPORT FOR LIQUID SAMPLES SAMPLED BY

LOG NO	SAMPLE DESCRIPTION , REPORT FOR LIQUID SAMPLES	SAMPLED BY
32129-17	Method Blank - Liquid	Client
32129-18	LCS (% Rec) - Liquid	
32129-19	MS/MSD (% Rec) - Liquid	
32129-20	% RPD - Liquid	
32129-21	Calibration Initial/Continuing - Liquid	

PARAMETER	32129-17	32129-18	32129-19	32129-20	32129-21
Semivolatiles (8270)					
Phenol, ug/l	10U	69 %	74/68 %	8.5 %	**
bis(2-Chloroethyl) ether, ug/l	10U	---	---	---	**
2-Chlorophenol, ug/l	10U	73 %	75/70 %	6.9 %	**
1,3-Dichlorobenzene, ug/l	10U	---	---	---	**
1,4-Dichlorobenzene, ug/l	10U	69 %	66/60 %	9.5 %	**
Benzyl alcohol, ug/l	10U	---	---	---	**
1,2-Dichlorobenzene, ug/l	10U	---	---	---	**
2-Methylphenol (o-cresol), ug/l	10U	---	---	---	**
Bis(2-chloroisopropyl)ether, ug/l	10U	---	---	---	**
4-Methylphenol (p-cresol), ug/l	10U	---	---	---	**
N-Nitroso-di-n-propylamine, ug/l	10U	66 %	78/69 %	12 %	**
Hexachloroethane, ug/l	10U	---	---	---	**
Nitrobenzene, ug/l	10U	---	---	---	**
Isophorone, ug/l	10U	---	---	---	**
2-Nitrophenol, ug/l	10U	---	---	---	**
2,4-Dimethylphenol, ug/l	10U	---	---	---	**
Benzoic acid, ug/l	50U	---	---	---	**
bis(2-Chloroethoxy) methane, ug/l	10U	---	---	---	**
2,4-Dichlorophenol, ug/l	10U	---	---	---	**

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LOG NO	SAMPLE DESCRIPTION , REPORT FOR LIQUID SAMPLES	SAMPLED BY				
32129-17	Method Blank - Liquid	Client				
32129-18	LCS (% Rec) - Liquid					
32129-19	MS/MSD (% Rec) - Liquid					
32129-20	% RPD - Liquid					
32129-21	Calibration Initial/Continuing - Liquid					
PARAMETER	32129-17	32129-18	32129-19	32129-20	32129-21	
1,2,4-Trichlorobenzene, ug/l	10U	74 %	70/61 %	14 %	**	
Naphthalene, ug/l	10U	---	---	---	**	
4-Chloroaniline, ug/l	10U	---	---	---	**	
Hexachlorobutadiene, ug/l	10U	---	---	---	**	
4-Chloro-3-methylphenol, ug/l	10U	78 %	82/71 %	14 %	**	
2-Methylnaphthalene, ug/l	10U	---	---	---	**	
Hexachlorocyclopentadiene, ug/l	10U	---	---	---	**	
2,4,6-Trichlorophenol, ug/l	10U	---	---	---	**	
2,4,5-Trichlorophenol, ug/l	50U	---	---	---	**	
2-Chloronaphthalene, ug/l	10U	---	---	---	**	
2-Nitroaniline, ug/l	50U	---	---	---	**	
Dimethylphthalate, ug/l	10U	---	---	---	**	
Acenaphthylene, ug/l	10U	---	---	---	**	
3-Nitroaniline, ug/l	50U	---	---	---	**	
Acenaphthene, ug/l	10U	85 %	82/76 %	7.6 %	**	
2,4-Dinitrophenol, ug/l	50U	---	---	---	**	
4-Nitrophenol, ug/l	50U	53 %	85/60 %	34 %	**	
Dibenzofuran, ug/l	10U	---	---	---	**	
2,4-Dinitrotoluene, ug/l	10U	76 %	77/67 %	14 %	**	
2,6-Dinitrotoluene, ug/l	10U	---	---	---	**	

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LOG NO SAMPLE DESCRIPTION , REPORT FOR LIQUID SAMPLES SAMPLED BY

LOG NO	SAMPLE DESCRIPTION , REPORT FOR LIQUID SAMPLES	SAMPLED BY
32129-17	Method Blank - Liquid	Client
32129-18	LCS (Z Rec) - Liquid	
32129-19	MS/MSD (Z Rec) - Liquid	
32129-20	Z RPD - Liquid	
32129-21	Calibration Initial/Continuing - Liquid	

PARAMETER	32129-17	32129-18	32129-19	32129-20	32129-21
Diethylphthalate, ug/l	10U	---	---	---	**
4-Chlorophenyl-phenyl ether, ug/l	10U	---	---	---	**
Fluorene, ug/l	10U	---	---	---	**
4-Nitroaniline, ug/l	50U	---	---	---	**
4,6-Dinitro-2-methylphenol, ug/l	50U	---	---	---	**
N-Nitrosodiphenylamine/Diph enylamine, ug/l	10U	---	---	---	**
4-Bromophenyl-phenyl-ether, ug/l	10U	---	---	---	**
Hexachlorobenzene, ug/l	10U	---	---	---	**
Pentachlorophenol, ug/l	50U	25 Z	80/36 Z	76 Z	**
Phenanthrene, ug/l	10U	---	---	---	**
Anthracene, ug/l	10U	---	---	---	**
Di-n-butylphthalate, ug/l	10U	---	---	---	**
Fluoranthene, ug/l	10U	---	---	---	**
Pyrene, ug/l	10U	101 Z	78/73 Z	6.6 Z	**
Butylbenzylphthalate, ug/l	10U	---	---	---	**
3,3'-Dichlorobenzidine, ug/l	20U	---	---	---	**
Benzo(a)anthracene, ug/l	10U	---	---	---	**
bis(2-Ethylhexyl) phthalate, ug/l	20	---	---	---	**
Chrysene, ug/l	10U	---	---	---	**

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LOG NO	SAMPLE DESCRIPTION , REPORT FOR LIQUID SAMPLES				SAMPLED BY
32129-17	Method Blank - Liquid				Client
32129-18	LCS (% Rec) - Liquid				
32129-19	MS/MSD (% Rec) - Liquid				
32129-20	% RPD - Liquid				
32129-21	Calibration Initial/Continuing - Liquid				
PARAMETER	32129-17	32129-18	32129-19	32129-20	32129-21
Di-n-octylphthalate, ug/l	10U	---	---	---	**
Benzo(b)fluoranthene, ug/l	10U	---	---	---	**
Benzo(k)fluoranthene, ug/l	10U	---	---	---	**
Benzo(a)pyrene, ug/l	10U	---	---	---	**
Indeno (1,2,3-cd)pyrene, ug/l	10U	---	---	---	**
Dibenz(a,h)anthracene, ug/l	10U	---	---	---	**
Benzo(g,h,i)perylene, ug/l	10U	---	---	---	**
Surrogate-NBZ (CL 35-114)	78 %	82 %	86/74 %	---	---
Surrogate-FBP (CL 43-116)	80 %	80 %	80/75 %	---	---
Surrogate-TPH (CL 33-141)	97 %	95 %	72/67 %	---	---
Surrogate-PHL (CL 10-110)	86 %	85 %	78/71 %	---	---
Surrogate-2FP (CL 21-100)	81 %	77 %	74/66 %	---	---
Surrogate-TBP (CL 10-123)	54 %	95 %	76/66 %	---	---
DFTPP-Tuning	PASSED	PASSED	PASSED	---	---
Date Extracted	03.20.91	---	---	---	---
Date Analyzed	03.26.91	---	---	---	---

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LOG NO	SAMPLE DESCRIPTION , REPORT FOR LIQUID SAMPLES	SAMPLED BY				
32129-17	Method Blank - Liquid	Client				
32129-18	LCS (% Rec) - Liquid					
32129-19	MS/MSD (% Rec) - Liquid					
32129-20	% RPD - Liquid					
32129-21	Calibration Initial/Continuing - Liquid					
PARAMETER	32129-17	32129-18	32129-19	32129-20	32129-21	
ICP Metals (6010)						
Antimony, ug/l	50.0U	103 %	99/91 %	8.4 %		**
Beryllium, ug/l	5.0U	97 %	97/106 %	8.9 %		**
Cadmium, ug/l	5.0U	102 %	110/103 %	6.6 %		**
Chromium, ug/l	10.0U	97 %	99/93 %	6.3 %		**
Copper, ug/l	10.0U	97 %	99/92 %	7.3 %		**
Nickel, ug/l	10.0U	98 %	100/94 %	6.2 %		**
Silver, ug/l	10.0U	95 %	106/101 %	5.1 %		**
Zinc, ug/l	10.0U	99 %	99/93 %	6.3 %		**
Date Analyzed	03.21.91	---	---	---	---	
Arsenic (7060)						
Arsenic, ug/l	10.0U	89 %	93/92 %	1.1 %		**
Date Analyzed	03.21.91	---	---	---	---	
Lead (7421)						
Lead, ug/l	5.0U	114 %	***	***		**
Date Analyzed	03.23.91	---	---	---	---	
Mercury (7470/7471)						
Mercury , ug/l	0.20U	107 %	121/116 %	4.2 %		**
Date Analyzed	03.26.91	---	---	---	---	
Selenium (7740)						
Selenium, ug/l	5.0U	91 %	71/78 %	9.4 %		**
Date Analyzed	03.29.91	---	---	---	---	

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LOG NO	SAMPLE DESCRIPTION , REPORT FOR LIQUID SAMPLES	SAMPLED BY				
32129-17	Method Blank - Liquid	Client				
32129-18	LCS (Z Rec) - Liquid					
32129-19	MS/MSD (Z Rec) - Liquid					
32129-20	Z RPD - Liquid					
32129-21	Calibration Initial/Continuing - Liquid					
PARAMETER	32129-17	32129-18	32129-19	32129-20	32129-21	
Thallium (7841)						
Thallium, ug/l	10.0U	84 Z	92/92 Z	0 Z		**
Date Analyzed	03.23.91	---	---	---	---	---

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LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID	SAMPLED BY
32129-22	Method Blank - Soil	Client
PARAMETER	32129-22	
Volatiles by GC/MS (8240)		
Chloromethane, ug/kg dw	10U	
Bromomethane, ug/kg dw	10U	
Vinyl Chloride, ug/kg dw	10U	
Chloroethane, ug/kg dw	10U	
Methylene Chloride, ug/kg dw	5U	
Acetone, ug/kg dw	10U	
Carbon Disulfide, ug/kg dw	5U	
1,1-Dichloroethene, ug/kg dw	5U	
1,1-Dichloroethane, ug/kg dw	5U	
Trans-1,2-Dichloroethene, ug/kg dw	5U	
Chloroform, ug/kg dw	5U	
1,2-Dichloroethane, ug/kg dw	5U	
2-Butanone, ug/kg dw	10U	
1,1,1-Trichloroethane, ug/kg dw	5U	
Carbon Tetrachloride, ug/kg dw	5U	
Vinyl Acetate, ug/kg dw	10U	
Bromodichloromethane, ug/kg dw	5U	
1,1,2,2-Tetrachloroethane, ug/kg dw	5U	
1,2-Dichloropropane, ug/kg dw	5U	
Trans-1,3-Dichloropropene, ug/kg dw	5U	
Trichloroethene, ug/kg dw	5U	
Dibromochloromethane, ug/kg dw	5U	
1,1,2-Trichloroethane, ug/kg dw	5U	

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LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID	SAMPLED BY
32129-22	Method Blank - Soil	Client
PARAMETER	32129-22	
Benzene, ug/kg dw	5U	
Cis-1,3-Dichloropropene, ug/kg dw	5U	
Bromoform, ug/kg dw	5U	
2-Hexanone, ug/kg dw	10U	
4-Methyl-2-pentanone, ug/kg dw	10U	
Tetrachloroethene, ug/kg dw	5U	
Toluene, ug/kg dw	5U	
Chlorobenzene, ug/kg dw	5U	
Ethylbenzene, ug/kg dw	5U	
Styrene, ug/kg dw	5U	
Xylenes, ug/kg dw	5U	
Surrogate-TOL (CL 84-138)	94 %	
Surrogate-BFB (CL 59-113)	92 %	
Surrogate-DCE (CL 70-121)	87 %	
BFB-Tuning	PASSED	
Date Analyzed	03.22.91	

Methods: EPA SW-846 & CLP SOW

**Calibration information submitted in
data package.

***MS/MSD were not recovered due to the abundance
of the target analyte in the sample.

Linda A. Wolfe
Linda A. Wolfe

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LOG NO: S1-32152

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Engineering Science, Inc.
57 Executive Park, South, Suite 590
Atlanta, GA 30329

Project: AT561 Battlecreek, Michigan

REPORT OF RESULTS

Page 1

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY			
32152-1	BC4-MW2-3 (3-15-91) (SDG # B00002)	Client			
32152-2	BC4-MW3-3 (3-15-91) (SDG # B00002)				
32152-3	BC4-MW4-3 (3-15-91) (SDG # B00002)				
32152-4	BC-RB2-3 (3-15-91) (SDG # B00002)				
PARAMETER	32152-1	32152-2	32152-3	32152-4	
Volatiles by GC/MS (8240)					
Chloromethane, ug/l	2U	2U	2U	10U	
Bromomethane, ug/l	2U	2U	2U	10U	
Vinyl Chloride, ug/l	2U	2U	2U	10U	
Chloroethane, ug/l	2U	2U	2U	10U	
Methylene Chloride, ug/l	1U	1U	1U	5U	
Acetone, ug/l	2U	2U	2U	10U	
Carbon Disulfide, ug/l	1U	1U	1U	5U	
1,1-Dichloroethene, ug/l	1U	1U	1U	5U	
1,1-Dichloroethane, ug/l	1U	1U	1U	5U	
Trans-1,2-Dichloroethene, ug/l	1U	1U	1U	5U	
Chloroform, ug/l	1U	1U	1U	38	
1,2-Dichloroethane, ug/l	0.36U	0.36U	0.36U	1.8U	
2-Butanone, ug/l	2U	2U	2U	10U	
1,1,1-Trichloroethane, ug/l	1U	1U	1U	5U	
Carbon Tetrachloride, ug/l	1U	1U	1U	5U	
Vinyl Acetate, ug/l	2U	2U	2U	10U	
Bromodichloromethane, ug/l	1U	1U	1U	5U	
1,1,2,2-Tetrachloroethane, ug/l	1U	1U	1U	5U	
1,2-Dichloropropane, ug/l	1U	1U	1U	5U	
Trans-1,3-Dichloropropene, ug/l	1U	1U	1U	5U	

REVISED 10/1/89

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Page 2

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY			
32152-1	BC4-MW2-3 (3-15-91) (SDG # B00002)	Client			
32152-2	BC4-MW3-3 (3-15-91) (SDG # B00002)				
32152-3	BC4-MW4-3 (3-15-91) (SDG # B00002)				
32152-4	BC-RB2-3 (3-15-91) (SDG # B00002)				
PARAMETER	32152-1	32152-2	32152-3	32152-4	
Trichloroethene, ug/l	1U	1U	1U	5U	
Dibromochloromethane, ug/l	1U	1U	1U	5U	
1,1,2-Trichloroethane, ug/l	1U	1U	1U	5U	
Benzene, ug/l	0.26U	0.26U	0.26U	1.3U	
Cis-1,3-Dichloropropene, ug/l	1U	1U	1U	5U	
Bromoform, ug/l	1U	1U	1U	5U	
2-Hexanone, ug/l	2U ^A	2U ^A	2U ^A	10U ^A	
4-Methyl-2-pentanone, ug/l	2U	2U	2U	10U	
Tetrachloroethene, ug/l	1U	1U	1U	5U	
Toluene, ug/l	0.40U	0.40U	0.40U	2.0U	
Chlorobenzene, ug/l	1U	1U	1U	5U	
Ethylbenzene, ug/l	1U	1U	1U	5U	
Styrene, ug/l	1U	1U	1U	5U	
Xylenes, ug/l	1U	1U	1U	5U	
Surrogate-TOL (CL 88-110)	91 %	93 %	89 %	92 %	
Surrogate-BFB (CL 86-115)	100 %	103 %	100 %	95 %	
Surrogate-DCE (CL 76-114)	96 %	93 %	94 %	86 %	
BFB-Tuning	PASSED	PASSED	PASSED	PASSED	
Date Analyzed	03.26.91	03.26.91	03.26.91	03.26.91	

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REPORT OF RESULTS

Page 3

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY			
32152-1	BC4-MW2-3 (3-15-91) (SDG # B00002)	Client			
32152-2	BC4-MW3-3 (3-15-91) (SDG # B00002)				
32152-3	BC4-MW4-3 (3-15-91) (SDG # B00002)				
32152-4	BC-RB2-3 (3-15-91) (SDG # B00002)				
PARAMETER	32152-1	32152-2	32152-3	32152-4	
ICP Metals (6010)					
Antimony, ug/l	50.0U	50.0U	50.0U	50.0U	
Beryllium, ug/l	5.0U	5.0U	5.0U	5.0U	
Cadmium, ug/l	5.0U	5.0U	5.0U	5.0U	
Chromium, ug/l	10.0U	10.0U	10.0U	10.0U	
Copper, ug/l	10.0U	10.0U	10.0U	10.0U	
Nickel, ug/l	10.0U	10.0U	10.0U	10.0U	
Silver, ug/l	10.0U	10.0U	10.0U	10.0U	
Zinc, ug/l	10.0U	10.0U	10.0U	38.0	
Date Analyzed	03.21.91	03.21.91	03.21.91	03.21.91	
Arsenic (7060)					
Arsenic, ug/l	10.0U	10.0UW	10.0UW	10.0U	
Date Analyzed	03.21.91	03.21.91	03.21.91	03.21.91	
Lead (7421)					
Lead, ug/l	5.0U	5.0U	5.0U	5.0U	
Date Analyzed	03.25.91	03.25.91	03.25.91	03.25.91	
Mercury (7470/7471)					
Mercury, ug/l	0.20U	0.20U	0.20U	0.20U	
Date Analyzed	03.26.91	03.26.91	03.26.91	03.26.91	
Selenium (7740)					
Selenium, ug/l	5.0U	5.0UW	5.0U	5.0U	
Date Analyzed	03.28.91	03.28.91	03.28.91	03.28.91	

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REPORT OF RESULTS

Page 4

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY			
32152-1	BC4-MW2-3 (3-15-91) (SDG # B00002)	Client			
32152-2	BC4-MW3-3 (3-15-91) (SDG # B00002)				
32152-3	BC4-MW4-3 (3-15-91) (SDG # B00002)				
32152-4	BC-RB2-3 (3-15-91) (SDG # B00002)				
PARAMETER	32152-1	32152-2	32152-3	32152-4	
Thallium (7841)					
Thallium, ug/l	5.0U	5.0U	5.0U	5.0U	
Date Analyzed	03.23.91	03.23.91	03.23.91	03.23.91	

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REPORT OF RESULTS

Page 5

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY	
32152-5	BC-FB1-3 (3-15-91) (SDG # B00002)	Client	
32152-6	BC-FB2-3 (3-15-91) (SDG # B00002)		
PARAMETER		32152-5	32152-6
Volatiles by GC/MS (8240)			
Chloromethane, ug/l		10U	2U
Bromomethane, ug/l		10U	2U
Vinyl Chloride, ug/l		10U	2U
Chloroethane, ug/l		10U	2U
Methylene Chloride, ug/l		5U	1U
Acetone, ug/l		10U	2U
Carbon Disulfide, ug/l		5U	1U
1,1-Dichloroethene, ug/l		5U	1U
1,1-Dichloroethane, ug/l		5U	1U
Trans-1,2-Dichloroethene, ug/l		5U	1U
Chloroform, ug/l		44	1
1,2-Dichloroethane, ug/l		1.85U	0.36U
2-Butanone, ug/l		10U R	2U R
1,1,1-Trichloroethane, ug/l		5U	1U
Carbon Tetrachloride, ug/l		5U	1U
Vinyl Acetate, ug/l		10U	2U
Bromodichloromethane, ug/l		5U	3
1,1,2,2-Tetrachloroethane, ug/l		5U	1U
1,2-Dichloropropane, ug/l		5U	1U
Trans-1,3-Dichloropropene, ug/l		5U	1U
Trichloroethene, ug/l		5U	1U
Dibromochloromethane, ug/l		5U	8

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REPORT OF RESULTS

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LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY	
32152-5	BC-FB1-3 (3-15-91) (SDG # B00002)	Client	
32152-6	BC-FB2-3 (3-15-91) (SDG # B00002)		
PARAMETER	32152-5	32152-6	
1,1,2-Trichloroethane, ug/l	5U	1U	
Benzene, ug/l	1.3U	0.26U	
Cis-1,3-Dichloropropene, ug/l	5U	1U	
Bromoform, ug/l	5U	5	
2-Hexanone, ug/l	10U	2U	
4-Methyl-2-pentanone, ug/l	10U	2U	
Tetrachloroethene, ug/l	5U	1U	
Toluene, ug/l	2.0U	0.40U	
Chlorobenzene, ug/l	5U	1U	
Ethylbenzene, ug/l	5U	1U	
Styrene, ug/l	5U	1U	
Xylenes, ug/l	5U	1U	
Surrogate-TOL (CL 88-110)	95 %	94 %	
Surrogate-BFB (CL 86-115)	100 %	97 %	
Surrogate-DCE (CL 76-114)	86 %	99 %	
BFB-Tuning	PASSED	PASSED	
Date Analyzed	03.26.91	03.26.91	

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REPORT OF RESULTS

Page 7

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLFD BY	
32152-5	BC-FB1-3 (3-15-91) (SDG # B00002)	Client	
32152-6	BC-FB2-3 (3-15-91) (SDG # B00002)		
PARAMETER		32152-5	32152-6
Semivolatiles (8270)			
Phenol, ug/l		10U	20U
bis(2-Chloroethyl) ether, ug/l		10U	20U
2-Chlorophenol, ug/l		10U	20U
1,3-Dichlorobenzene, ug/l		10U	20U
1,4-Dichlorobenzene, ug/l		10U	20U
Benzyl alcohol, ug/l		10U	20U
1,2-Dichlorobenzene, ug/l		10U	20U
2-Methylphenol (o-cresol), ug/l		10U	20U
Bis(2-chloroisopropyl)ether, ug/l		10U	20U
4-Methylphenol (p-cresol), ug/l		10U	20U
N-Nitroso-di-n-propylamine, ug/l		10U	20U
Hexachloroethane, ug/l		10U	20U
Nitrobenzene, ug/l		10U	20U
Isophorone, ug/l		10U	20U
2-Nitrophenol, ug/l		10U	20U
2,4-Dimethylphenol, ug/l		10U	20U
Benzoic acid, ug/l		50U	100U
bis(2-Chloroethoxy) methane, ug/l		10U	20U
2,4-Dichlorophenol, ug/l		10U	20U
1,2,4-Trichlorobenzene, ug/l		10U	20U
Naphthalene, ug/l		10U	20U
4-Chloroaniline, ug/l		10U	20U

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REPORT OF RESULTS

Page 8

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY	
32152-5	BC-FB1-3 (3-15-91) (SDG # B00002)	Client	
32152-6	BC-FB2-3 (3-15-91) (SDG # B00002)		
PARAMETER		32152-5	32152-6
Hexachlorobutadiene, ug/l		10U	20U
4-Chloro-3-methylphenol, ug/l		10U	20U
2-Methylnaphthalene, ug/l		10U	20U
Hexachlorocyclopentadiene, ug/l		10U	20U
2,4,6-Trichlorophenol, ug/l		10U	20U
2,4,5-Trichlorophenol, ug/l		50U	100U
2-Chloronaphthalene, ug/l		10U	20U
2-Nitroaniline, ug/l		50U	100U
Dimethylphthalate, ug/l		10U	20U
Acenaphthylene, ug/l		10U	20U
3-Nitroaniline, ug/l		50U	100U
Acenaphthene, ug/l		10U	20U
2,4-Dinitrophenol, ug/l		50U	100U
4-Nitrophenol, ug/l		50U	100U
Dibenzofuran, ug/l		10U	20U
2,4-Dinitrotoluene, ug/l		10U	20U
2,6-Dinitrotoluene, ug/l		10U	20U
Diethylphthalate, ug/l		10U	20U
4-Chlorophenyl-phenyl ether, ug/l		10U	20U
Fluorene, ug/l		10U	20U
4-Nitroaniline, ug/l		50U	100U
4,6-Dinitro-2-methylphenol, ug/l		50U	100U
N-Nitrosodiphenylamine/Diphenylamine, ug/l		10U	20U

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REPORT OF RESULTS

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LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY	
32152-5	BC-FB1-3 (3-15-91) (SDG # B00002)	Client	
32152-6	BC-FB2-3 (3-15-91) (SDG # B00002)		
PARAMETER	32152-5	32152-6	
4-Bromophenyl-phenyl-ether, ug/l	10U	20U	
Hexachlorobenzene, ug/l	10U	20U	
Pentachlorophenol, ug/l	50U	100U	
Phenanthrene, ug/l	10U	20U	
Anthracene, ug/l	10U	20U	
Di-n-butylphthalate, ug/l	10U	20U	
Fluoranthene, ug/l	10U	20U	
Pyrene, ug/l	10U	20U	
Butylbenzylphthalate, ug/l	10U	20U	
3,3'-Dichlorobenzidine, ug/l	20U	40U	
Benzo(a)anthracene, ug/l	10U	20U	
bis(2-Ethylhexyl) phthalate, ug/l	17B	270B	
Chrysene, ug/l	10U	20U	
Di-n-octylphthalate, ug/l	10U	20U	
Benzo(b)fluoranthene, ug/l	10U	20U	
Benzo(k)fluoranthene, ug/l	10U	20U	
Benzo(a)pyrene, ug/l	10U	20U	
Indeno (1,2,3-cd)pyrene, ug/l	10U	20U	
Dibenz(a,h)anthracene, ug/l	10U	20U	
Benzo(g,h,i)perylene, ug/l	10U	20U	
Surrogate-NB2 (CL 35-114)	84 Z	93 Z	
Surrogate-FBP (CL 43-116)	89 Z	92 Z	
Surrogate-TPH (CL 33-141)	92 Z	91 Z	

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REPORT OF RESULTS

Page 10

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY	
32152-5	BC-FB1-3 (3-15-91) (SDG # B00002)	Client	
32152-6	BC-FB2-3 (3-15-91) (SDG # B00002)		
PARAMETER	32152-5	32152-6	
Surrogate-PHL (CL 10-110)	91 %	68 %	
Surrogate-2FP (CL 21-100)	82 %	86 %	
Surrogate-TBP (CL 10-123)	74 %	83 %	
DFTPP-Tuning	PASSED	PASSED	
Date Extracted	03.20.91	03.20.91	
Date Analyzed	03.26.91	04.15.91	
ICP Metals (6010)			
Antimony, ug/l	50.0U	50.0U	
Beryllium, ug/l	5.0U	5.0U	
Cadmium, ug/l	5.0U	5.0U	
Chromium, ug/l	10.0U	10.0U	
Copper, ug/l	10.0U	80.3	
Nickel, ug/l	10.0U	10.0U	
Silver, ug/l	10.0U	10.0U	
Zinc, ug/l	10.0U	71.0	
Date Analyzed	03.21.91	03.21.91	
Arsenic (7060)			
Arsenic, ug/l	10.0U	10.0U	
Date Analyzed	03.21.91	03.21.91	
Lead (7421)			
Lead, ug/l	5.0U	5.0U	
Date Analyzed	03.25.91	03.25.91	
Mercury (7470/7471)			
Mercury , ug/l	0.20U	0.20U	
Date Analyzed	03.26.91	03.26.91	

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LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY	
32152-5	BC-FB1-3 (3-15-91) (SDG # B00002)	Client	
32152-6	BC-FB2-3 (3-15-91) (SDG # B00002)		
PARAMETER		32152-5	32152-6
Selenium (7740)			
Selenium, ug/l		5.0U	5.0UW
Date Analyzed		03.28.91	03.28.91
Thallium (7841)			
Thallium, ug/l		5.0U	5.0U
Date Analyzed		03.23.91	03.23.91

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LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
32152-7	BC-TB2-3	Client
PARAMETER	32152-7	
Volatiles by GC/MS (8240)		
Chloromethane, ug/l	2U	
Bromomethane, ug/l	2U	
Vinyl Chloride, ug/l	2U	
Chloroethane, ug/l	2U	
Methylene Chloride, ug/l	1U	
Acetone, ug/l	2U	
Carbon Disulfide, ug/l	1U	
1,1-Dichloroethene, ug/l	1U	
1,1-Dichloroethane, ug/l	1U	
Trans-1,2-Dichloroethene, ug/l	1U	
Chloroform, ug/l	0.3J	
1,2-Dichloroethane, ug/l	0.36U	
2-Butanone, ug/l	2U	
1,1,1-Trichloroethane, ug/l	1U	
Carbon Tetrachloride, ug/l	1U	
Vinyl Acetate, ug/l	2U	
Bromodichloromethane, ug/l	0.7J	
1,1,2,2-Tetrachloroethane, ug/l	1U	
1,2-Dichloropropane, ug/l	1U	
Trans-1,3-Dichloropropene, ug/l	1U	
Trichloroethene, ug/l	1U	
Dibromochloromethane, ug/l	1	
1,1,2-Trichloroethane, ug/l	1U	

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LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
32152-7	BC-TB2-3	Client
PARAMETER	32152-7	
Benzene, ug/l	0.26U	
Cis-1,3-Dichloropropene, ug/l	1U	
Bromoform, ug/l	0.7J	
2-Hexanone, ug/l	2U	
4-Methyl-2-pentanone, ug/l	2U	
Tetrachloroethene, ug/l	1U	
Toluene, ug/l	0.40U	
Chlorobenzene, ug/l	1U	
Ethylbenzene, ug/l	1U	
Styrene, ug/l	1U	
Xylenes, ug/l	1U	
Surrogate-TOL (CL 88-110)	97 %	
Surrogate-BFB (CL 86-115)	91 %	
Surrogate-DCE (CL 76-114)	85 %	
BFB-Tuning	PASSED	
Date Analyzed	03.26.91	

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LOG NO: S1-32152

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Project: AT561 Battlecreek, Michigan

REPORT OF RESULTS

Page 14

LOG NO	SAMPLE DESCRIPTION , REPORT FOR LIQUID SAMPLES				SAMPLED BY
32152-8	Method Blank				Client
32152-9	LCS (% Rec)				
32152-10	MS/MSD (% Rec)				
32152-11	% RPD				
32152-12	Calibration Initial/Continuing				
PARAMETER	32152-8	32152-9	32152-10	32152-11	32152-12
Volatiles by GC/MS (8240)					
Chloromethane, ug/l	2U	---	---		**
Bromomethane, ug/l	2U	---	---	---	**
Vinyl Chloride, ug/l	2U	---	---	---	**
Chloroethane, ug/l	2U	---	---	---	**
Methylene Chloride, ug/l	1	---	---	---	**
Acetone, ug/l	2U	---	---	---	**
Carbon Disulfide, ug/l	1U	---	---	---	**
1,1-Dichloroethene, ug/l	1U	98 %	106/108 %	1.9 %	**
1,1-Dichloroethane, ug/l	1U	---	---	---	**
Trans-1,2-Dichloroethene, ug/l	1U	---	---	---	**
Chloroform, ug/l	1U	---	---	---	**
1,2-Dichloroethane, ug/l	0.36U	---	---	---	**
2-Butanone, ug/l	2U	---	---	---	**
1,1,1-Trichloroethane, ug/l	1U	---	---	---	**
Carbon Tetrachloride, ug/l	1U	---	---	---	**
Vinyl Acetate, ug/l	2U	---	---	---	**
Bromodichloromethane, ug/l	1U	---	---	---	**
1,1,2,2-Tetrachloroethane, ug/l	1U	---	---	---	**
1,2-Dichloropropane, ug/l	1U	---	---	---	**

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REPORT OF RESULTS

Page 15

LOG NO	SAMPLE DESCRIPTION , REPORT FOR LIQUID SAMPLES					SAMPLED BY
32152-8	Method Blank					Client
32152-9	LCS (Z Rec)					
32152-10	MS/MSD (Z Rec)					
32152-11	Z RPD					
32152-12	Calibration Initial/Continuing					
PARAMETER	32152-8	32152-9	32152-10	32152-11	32152-12	
Trans-1,3-Dichloropropene, ug/l	1U	---	---	---	**	
Trichloroethene, ug/l	1U	110 Z	86/86 Z	0 Z	**	
Dibromochloromethane, ug/l	1U	---	---	---	**	
1,1,2-Trichloroethane, ug/l	1U	---	---	---	**	
Benzene, ug/l	0.26U	99 Z	92/89 Z	3.3 Z	**	
Cis-1,3-Dichloropropene, ug/l	1U	---	---	---	**	
Bromoform, ug/l	1U	---	---	---	**	
2-Hexanone, ug/l	2U	---	---	---	**	
4-Methyl-2-pentanone, ug/l	2U	---	---	---	**	
Tetrachloroethene, ug/l	1U	---	---	---	**	
Toluene, ug/l	0.40U	99 Z	96/96 Z	0 Z	**	
Chlorobenzene, ug/l	1U	98 Z	97/97 Z	0 Z	**	
Ethylbenzene, ug/l	1U	---	---	---	**	
Styrene, ug/l	1U	---	---	---	**	
Xylenes, ug/l	1U	---	---	---	**	
Surrogate-TOL (CL 88-110)	90 Z	103 Z	94/95 Z	---	---	
Surrogate-BFB (CL 86-115)	98 Z	93 Z	99/98 Z	---	---	
Surrogate-DCE (CL 76-114)	94 Z	106 Z	94/92 Z	---	---	
BFB-Tuning	PASSED	PASSED	PASSED	---	---	
Date Analyzed	03.26.91	---	---	---	---	

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REPORT OF RESULTS

Page 16

LOG NO	SAMPLE DESCRIPTION , REPORT FOR LIQUID SAMPLES					SAMPLED BY
32152-8	Method Blank					Client
32152-9	LCS (% Rec)					
32152-10	MS/MSD (% Rec)					
32152-11	% RPD					
32152-12	Calibration Initial/Continuing					
PARAMETER	32152-8	32152-9	32152-10	32152-11	32152-12	
Semivolatiles (8270)						
Phenol, ug/l	10U	69 %	74/68 %	8.5 %	**	
bis(2-Chloroethyl) ether, ug/l	10U	---	---	---	**	
2-Chlorophenol, ug/l	10U	73 %	75/70 %	6.9 %	**	
1,3-Dichlorobenzene, ug/l	10U	---	---	---	**	
1,4-Dichlorobenzene, ug/l	10U	69 %	66/60 %	9.5 %	**	
Benzyl alcohol, ug/l	10U	---	---	---	**	
1,2-Dichlorobenzene, ug/l	10U	---	---	---	**	
2-Methylphenol (o-cresol), ug/l	10U	---	---	---	**	
Bis(2-chloroisopropyl)ether, ug/l	10U	---	---	---	**	
4-Methylphenol (p-cresol), ug/l	10U	---	---	---	**	
N-Nitroso-di-n-propylamine, ug/l	10U	66 %	78/69 %	12 %	**	
Hexachloroethane, ug/l	10U	---	---	---	**	
Nitrobenzene, ug/l	10U	---	---	---	**	
Isophorone, ug/l	10U	---	---	---	**	
2-Nitrophenol, ug/l	10U	---	---	---	**	
2,4-Dimethylphenol, ug/l	10U	---	---	---	**	
Benzoic acid, ug/l	50U	---	---	---	**	
bis(2-Chloroethoxy) methane, ug/l	10U	---	---	---	**	
2,4-Dichlorophenol, ug/l	10U	---	---	---	**	

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REPORT OF RESULTS

Page 17

LOG NO SAMPLE DESCRIPTION , REPORT FOR LIQUID SAMPLES SAMPLED BY

32152-8	Method Blank	Client
32152-9	LCS (% Rec)	
32152-10	MS/MSD (% Rec)	
32152-11	% RPD	
32152-12	Calibration Initial/Continuing	

PARAMETER	32152-8	32152-9	32152-10	32152-11	32152-12
1,2,4-Trichlorobenzene, ug/l	10U	74 %	70/61 %	14 %	**
Naphthalene, ug/l	10U	---	---	---	**
4-Chloroaniline, ug/l	10U	---	---	---	**
Hexachlorobutadiene, ug/l	10U	---	---	---	**
4-Chloro-3-methylphenol, ug/l	10U	78 %	82/71 %	14 %	**
2-Methylnaphthalene, ug/l	10U	---	---	---	**
Hexachlorocyclopentadiene, ug/l	10U	---	---	---	**
2,4,6-Trichlorophenol, ug/l	10U	---	---	---	**
2,4,5-Trichlorophenol, ug/l	50U	---	---	---	**
2-Chloronaphthalene, ug/l	10U	---	---	---	**
2-Nitroaniline, ug/l	50U	---	---	---	**
Dimethylphthalate, ug/l	10U	---	---	---	**
Acenaphthylene, ug/l	10U	---	---	---	**
3-Nitroaniline, ug/l	50U	---	---	---	**
Acenaphthene, ug/l	10U	85 %	82/76 %	7.6 %	**
2,4-Dinitrophenol, ug/l	50U	---	---	---	**
4-Nitrophenol, ug/l	50U	53 %	85/60 %	34 %	**
Dibenzofuran, ug/l	10U	---	---	---	**
2,4-Dinitrotoluene, ug/l	10U	76 %	77/67 %	14 %	**
2,6-Dinitrotoluene, ug/l	10U	---	---	---	**

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REPORT OF RESULTS

Page 18

LOG NO	SAMPLE DESCRIPTION , REPORT FOR LIQUID SAMPLES					SAMPLED BY
32152-8	Method Blank					Client
32152-9	LCS (% Rec)					
32152-10	MS/MSD (% Rec)					
32152-11	% RPD					
32152-12	Calibration Initial/Continuing					
PARAMETER	32152-8	32152-9	32152-10	32152-11	32152-12	
Diethylphthalate, ug/l	10U	---	---	---	---	**
4-Chlorophenyl-phenyl ether, ug/l	10U	---	---	---	---	**
Fluorene, ug/l	10U	---	---	---	---	**
4-Nitroaniline, ug/l	50U	---	---	---	---	**
4,6-Dinitro-2-methylphenol, ug/l	50U	---	---	---	---	**
N-Nitrosodiphenylamine/Diph enylamine, ug/l	10U	---	---	---	---	**
4-Bromophenyl-phenyl-ether, ug/l	10U	---	---	---	---	**
Hexachlorobenzene, ug/l	10U	---	---	---	---	**
Pentachlorophenol, ug/l	50U	25 %	80/36 %	76 %	---	**
Phenanthrene, ug/l	10U	---	---	---	---	**
Anthracene, ug/l	10U	---	---	---	---	**
Di-n-butylphthalate, ug/l	10U	---	---	---	---	**
Fluoranthene, ug/l	10U	---	---	---	---	**
Pyrene, ug/l	10U	101 %	79/73 %	7.9 %	---	**
Butylbenzylphthalate, ug/l	10U	---	---	---	---	**
3,3'-Dichlorobenzidine, ug/l	20U	---	---	---	---	**
Benzo(a)anthracene, ug/l	10U	---	---	---	---	**
bis(2-Ethylhexyl) phthalate, ug/l	20/10U	---	---	---	---	**

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REPORT OF RESULTS

Page 19

LOG NO	SAMPLE DESCRIPTION , REPORT FOR LIQUID SAMPLES	SAMPLED BY				
32152-8	Method Blank	Client				
32152-9	LCS (% Rec)					
32152-10	MS/MSD (% Rec)					
32152-11	% RPD					
32152-12	Calibration Initial/Continuing					
PARAMETER	32152-8	32152-9	32152-10	32152-11	32152-12	
Chrysene, ug/l	10U	---	---	---	---	**
Di-n-octylphthalate, ug/l	10U	---	---	---	---	**
Benzo(b)fluoranthene, ug/l	10U	---	---	---	---	**
Benzo(k)fluoranthene, ug/l	10U	---	---	---	---	**
Benzo(a)pyrene, ug/l	10U	---	---	---	---	**
Indeno (1,2,3-cd)pyrene, ug/l	10U	---	---	---	---	**
Dibenz(a,h)anthracene, ug/l	10U	---	---	---	---	**
Benzo(g,h,i)perylene, ug/l	10U	---	---	---	---	**
Surrogate-NBZ (CL 35-114)	78/85 %	82 %	86/74 %	---	---	---
Surrogate-FBP (CL 43-116)	80/84 %	80 %	80/75 %	---	---	---
Surrogate-TPH (CL 33-141)	97/84 %	95 %	72/67 %	---	---	---
Surrogate-PHL (CL 10-110)	86/84 %	85 %	78/71 %	---	---	---
Surrogate-2FP (CL 21-100)	81/81 %	77 %	74/66 %	---	---	---
Surrogate-TBP (CL 10-123)	84/80 %	64 %	76/66 %	---	---	---
DFTPP-Tuning	PASSED	PASSED	PASSED	---	---	---
Date Extracted	3.20/4.02	---	---	---	---	---
Date Analyzed	3.26/4.05	---	---	---	---	---

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REPORT OF RESULTS

Page 20

LOG NO	SAMPLE DESCRIPTION , REPORT FOR LIQUID SAMPLES	SAMPLED BY			
32152-8	Method Blank	Client			
32152-9	LCS (% Rec)				
32152-10	MS/MSD (% Rec)				
32152-11	% RPD				
32152-12	Calibration Initial/Continuing				
PARAMETER	32152-8	32152-9	32152-10	32152-11	32152-12
ICP Metals (6010)					
Antimony, ug/l	50.0U	103 %	99/91 %	8.4 %	**
Beryllium, ug/l	5.0U	97 %	97/106 %	8.9 %	**
Cadmium, ug/l	5.0U	101 %	110/103 %	6.6 %	**
Chromium, ug/l	10.0U	97 %	106/103 %	2.9 %	**
Copper, ug/l	10.0U	97 %	99/92 %	7.3 %	**
Nickel, ug/l	10.0U	98 %	103/96 %	7.0 %	**
Silver, ug/l	10.0U	95 %	106/101 %	4.8 %	**
Zinc, ug/l	10.0U	99 %	99/92 %	7.3 %	**
Date Analyzed	03.21.91	---	---	---	---
Arsenic (7060)					
Arsenic, ug/l	10.0U	89 %	93/89 %	4.4 %	**
Date Analyzed	03.21.91	---	---	---	---
Lead (7421)					
Lead, ug/l	5.0U	114 %	100/103 %	3.0 %	**
Date Analyzed	03.25.91	---	---	---	---
Mercury (7470/7471)					
Mercury , ug/l	0.20U	107 %	121/116 %	4.2 %	**
Date Analyzed	03.26.91	---	---	---	---
Selenium (7740)					
Selenium, ug/l	5.0U	91 %	89/93 %	4.4 %	**
Date Analyzed	03.28.91	---	---	---	---

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REPORT OF RESULTS

Page 21

LOG NO	SAMPLE DESCRIPTION , REPORT FOR LIQUID SAMPLES					SAMPLED BY
32152-8	Method Blank					Client
32152-9	LCS (% Rec)					
32152-10	MS/MSD (% Rec)					
32152-11	% RPD					
32152-12	Calibration Initial/Continuing					
PARAMETER	32152-8	32152-9	32152-10	32152-11	32152-12	
Thallium (7841)						
Thallium, ug/l	5.0U	84 %	96/102 %	5.7 %	**	
Date Analyzed	03.23.91	---	---	---	---	

Methods: EPA SW-846 & CLP SOW

**Calibration information submitted in
data package.

Linda A. Wolfe
Linda A. Wolfe

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LOG NO: S1-32180

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REPORT OF RESULTS

Page 1

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY				
32180-1	BC3-MW1-3 (3-16-91) (SDG #B00003)	Client				
32180-2	BC3-MW2-3 (3-16-91) (SDG #B00003)					
32180-3	BC7-MW1-3 (3-16-91) (SDG #B00003)					
32180-4	BC3-MW3-3 (3-16-91) (SDG #B00003)					
32180-5	BC3-MW4-3 (3-16-91) (SDG #B00003)					
PARAMETER	32180-1	32180-2	32180-3	32180-4	32180-5	
Volatiles by GC/MS (8240)						
Chloromethane, ug/l	2U	200U	50U/100U	2U	2U	
Bromomethane, ug/l	2U	200U	50U/100U	2U	2U	
Vinyl Chloride, ug/l	2U	200U	50U/100U	2U	2U	
Chloroethane, ug/l	2U	200U	50U/100U	2U	2U	
Methylene Chloride, ug/l	1U	100U	25U/50U	1U	1U	
Acetone, ug/l	2U	200U	480/500U	2U	2U	
Carbon Disulfide, ug/l	1U	100U	25U/50U	1U	1U	
1,1-Dichloroethene, ug/l	1U	100U	25U/50U	1U	1U	
1,1-Dichloroethane, ug/l	1U	100U	25U/50U	1U	1U	
Trans-1,2-Dichloroethene, ug/l	1U	100U	1100E/1200	1U	1U	
Chloroform, ug/l	1U	100U	25U/50U	1U	1U	
1,2-Dichloroethane, ug/l	0.36U	36U	9U/18U	0.36U	0.36U	
2-Butanone, ug/l	2UR	200UR	100JB/500UR	2UR	2UR	
1,1,1-Trichloroethane, ug/l	1U	100U	25U/50U	1U	1U	
Carbon Tetrachloride, ug/l	1U	100U	25U/50U	1U	1U	
Vinyl Acetate, ug/l	2U	200U	50U/100U	2U	2U	
Bromodichloromethane, ug/l	1U	100U	25U/50U	1U	1U	
1,1,2,2-Tetrachloroethane, ug/l	1U	100U	25U/50U	1U	1U	
1,2-Dichloropropane, ug/l	1U	100U	25U/50U	1U	1U	

LOG NO: S1-32180

Received: 19 MAR 91

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REPORT OF RESULTS

Page 2

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES				SAMPLED BY
32180-1	BC3-MW1-3 (3-16-91) (SDG #B00003)				Client
32180-2	BC3-MW2-3 (3-16-91) (SDG #B00003)				
32180-3	BC7-MW1-3 (3-16-91) (SDG #B00003)				
32180-4	BC3-MW3-3 (3-16-91) (SDG #B00003)				
32180-5	BC3-MW4-3 (3-16-91) (SDG #B00003)				
PARAMETER	32180-1	32180-2	32180-3	32180-4	32180-5
Trans-1,3-Dichloropropene, ug/l	1U	100U	25U/50U	1U	1U
Trichloroethene, ug/l	1U	100U	3J/50U	1U	0.5J
Dibromochloromethane, ug/l	1U	100U	25U/50U	1U	1U
1,1,2-Trichloroethane, ug/l	1U	100U	25U/50U	1U	1U
Benzene, ug/l	0.26U	200	170/190J	0.18J	0.26U
Cis-1,3-Dichloropropene, ug/l	1U	100U	25U/50U	1U	1U
Bromoform, ug/l	1U	100U	25U/50U	1U	1U
2-Hexanone, ug/l	2JR	200JR	50J/100JR	2JR	2JR
4-Methyl-2-pentanone, ug/l	2U	200U	50U/100U	2U	2U
Tetrachloroethene, ug/l	1U	100U	25U/50U	1U	1U
Toluene, ug/l	0.40U	200	210/240J	0.58	0.43
Chlorobenzene, ug/l	1U	100U	25U/50U	1U	1U
Ethylbenzene, ug/l	1U	100	74/82	0.2J	1U
Styrene, ug/l	1U	100U	25U/50U	1U	1U
Xylenes, ug/l	1U	980	770/680J	0.7J	1J
Surrogate-TOL (CL 88-110)	89 %	97 %	89/104 %	95 %	96 %
Surrogate-BFB (CL 86-115)	86 %	105 %	92/102 %	97 %	96 %
Surrogate-DCE (CL 76-114)	85 %	91 %	85/95 %	94 %	95 %
BFB-Tuning	PASSED	PASSED	PASSED	PASSED	PASSED
Date Analyzed	03.29.91	03.29.91	3.29/30.91	03.29.91	03.30.91

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LOG NO: S1-32180

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REPORT OF RESULTS

Page 3

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
32180-1	BC3-MW1-3 (3-16-91) (SDG #B00003)	Client
32180-2	BC3-MW2-3 (3-16-91) (SDG #B00003)	
32180-3	BC7-MW1-3 (3-16-91) (SDG #B00003)	
32180-4	BC3-MW3-3 (3-16-91) (SDG #B00003)	
32180-5	BC3-MW4-3 (3-16-91) (SDG #B00003)	

PARAMETER	32180-1	32180-2	32180-3	32180-4	32180-5
ICP Metals (6010)					
Antimony, ug/l	50.0U	50.0U	50.0U	50.0U	50.0U
Beryllium, ug/l	5.0U	5.0U	5.0U	5.0U	5.0U
Cadmium, ug/l	5.0U	5.0U	5.0U	5.0U	5.0U
Chromium, ug/l	10.0U	10.0U	10.0U	10.0U	10.0U
Copper, ug/l	10.0U	10.0U	10.0U	10.0U	10.0U
Nickel, ug/l	10.0U	10.0U	10.0U	10.0U	10.0U
Silver, ug/l	10.0U	10.0U	10.0U	10.0U	10.0U
Zinc, ug/l	10.0U	10.0U	10.0U	10.0U	10.0U
Date Analyzed	03.22.91	03.22.91	03.22.91	03.22.91	03.22.91
Arsenic (7060)					
Arsenic, ug/l	10.0UWNT	91.5UWNT	65.35UWNT	10.0UWNT	10.0UWNT
Date Analyzed	03.21.91	03.21.91	04.18.91	03.21.91	03.21.91
Lead (7421)					
Lead, ug/l	5.0U	5.0U	5.0U	5.0U	5.0U
Date Analyzed	03.23.91	03.23.91	03.23.91	03.23.91	03.23.91
Mercury (7470/7471)					
Mercury, ug/l	0.20U	0.20U	0.20U	0.20U	0.20U
Date Analyzed	03.27.91	03.27.91	03.27.91	03.27.91	03.27.91
Selenium (7740)					
Selenium, ug/l	5.0UWNT	5.0UWNT	5.0UWNT	5.0UWNT	5.0UWNT
Date Analyzed	03.28.91	03.28.91	03.28.91	03.28.91	03.28.91

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LOG NO: S1-32180

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Project: AT561 Battlecreek, Michigan

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LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY			
32180-1	BC3-MW1-3 (3-16-91) (SDG #B00003)	Client			
32180-2	BC3-MW2-3 (3-16-91) (SDG #B00003)				
32180-3	BC7-MW1-3 (3-16-91) (SDG #B00003)				
32180-4	BC3-MW3-3 (3-16-91) (SDG #B00003)				
32180-5	BC3-MW4-3 (3-16-91) (SDG #B00003)				
PARAMETER	32180-1	32180-2	32180-3	32180-4	32180-5
Thallium (7841)					
Thallium, ug/l	5.0U	5.0U	5.0U	5.0U	5.0U
Date Analyzed	03.24.91	03.24.91	03.24.91	03.24.91	03.24.91



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LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
32180-6	BC6-MW3-3 (3-16-91) (SDG #B00003)	Client
32180-7	BC6-MW2-3 (3-16-91) (SDG #B00003)	
32180-8	BC-MW12-3 (3-17-91) (SDG #B00003)	
32180-9	BC-MW11-3 (3-17-91) (SDG #B00003)	
32180-10	BC-MW10-3 (3-17-91) (SDG #B00003)	

PARAMETER	32180-6	32180-7	32180-8	32180-9	32180-10
Volatiles by GC/MS (8240)					
Chloromethane, ug/l	2U	2U	2U	2U	2U
Bromomethane, ug/l	2U	2U	2U	2U	2U
Vinyl Chloride, ug/l	2U	2U	2U	2U	2U
Chloroethane, ug/l	2U	2U	2U	2U	2U
Methylene Chloride, ug/l	1U	1U	1U	1U	1U
Acetone, ug/l	2U	2U	2U	2U	2U
Carbon Disulfide, ug/l	1U	1U	1U	1U	1U
1,1-Dichloroethene, ug/l	1U	1U	1U	1U	1U
1,1-Dichloroethane, ug/l	1U	1U	1U	1U	1U
Trans-1,2-Dichloroethene, ug/l	1U	1U	1U	1U	1U
Chloroform, ug/l	1U	1U	1U	1U	1U
1,2-Dichloroethane, ug/l	0.36U	0.36U	0.36U	0.36U	0.36U
2-Butanone, ug/l	2UR	2UR	2UR	2UR	2UR
1,1,1-Trichloroethane, ug/l	0.7J	1U	1U	1U	1U
Carbon Tetrachloride, ug/l	1U	1U	1U	1U	1U
Vinyl Acetate, ug/l	2U	2U	2U	2U	2U
Bromodichloromethane, ug/l	1U	1U	1U	1U	1U
1,1,2,2-Tetrachloroethane, ug/l	1U	1U	1U	1U	1U
1,2-Dichloropropane, ug/l	1U	1U	1U	1U	1U

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LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY			
32180-6	BC6-MW3-3 (3-16-91) (SDG #B00003)	Client			
32180-7	BC6-MW2-3 (3-16-91) (SDG #B00003)				
32180-8	BC-MW12-3 (3-17-91) (SDG #B00003)				
32180-9	BC-MW11-3 (3-17-91) (SDG #B00003)				
32180-10	BC-MW10-3 (3-17-91) (SDG #B00003)				
PARAMETER	32180-6	32180-7	32180-8	32180-9	32180-10
Trans-1,3-Dichloropropene, ug/l	1U	1U	1U	1U	1U
Trichloroethene, ug/l	1U	1U	1U	1U	1U
Dibromochloromethane, ug/l	1U	1U	1U	1U	1U
1,1,2-Trichloroethane, ug/l	1U	1U	1U	1U	1U
Benzene, ug/l	0.26U	0.26U	0.26U	0.26U	0.26U
Cis-1,3-Dichloropropene, ug/l	1U	1U	1U	1U	1U
Bromoform, ug/l	1U	1U	1U	1U	1U
2-Hexanone, ug/l	2UR	2UR	2UR	2UR	2UR
4-Methyl-2-pentanone, ug/l	2U	2U	2U	2U	2U
Tetrachloroethene, ug/l	1U	1U	1U	1U	1U
Toluene, ug/l	0.32J	0.40U	0.14J	0.40U	0.40U
Chlorobenzene, ug/l	1U	1U	1U	1U	1U
Ethylbenzene, ug/l	1U	1U	1U	1U	1U
Styrene, ug/l	1U	1U	1U	1U	1U
Xylenes, ug/l	0.3J	1U	1U	1U	1U
Surrogate-TOL (CL 88-110)	95 Z	102 Z	91 Z	97 Z	98 Z
Surrogate-BFB (CL 86-115)	100 Z	115 Z	92 Z	99 Z	96 Z
Surrogate-DCE (CL 76-114)	96 Z	107 Z	87 Z	98 Z	99 Z
BFB-Tuning	PASSED	PASSED	PASSED	PASSED	PASSED
Date Analyzed	03.30.91	03.29.91	03.30.91	03.30.91	03.30.91

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LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY			
32180-6	BC6-MW3-3 (3-16-91) (SDG #B00003)	Client			
32180-7	BC6-MW2-3 (3-16-91) (SDG #B00003)				
32180-8	BC-MW12-3 (3-17-91) (SDG #B00003)				
32180-9	BC-MW11-3 (3-17-91) (SDG #B00003)				
32180-10	BC-MW10-3 (3-17-91) (SDG #B00003)				
PARAMETER	32180-6	32180-7	32180-8	32180-9	32180-10
ICP Metals (6010)					
Antimony, ug/l	50.0U	50.0U	50.0U	50.0U	50.0U
Beryllium, ug/l	5.0U	5.0U	5.0U	5.0U	5.0U
Cadmium, ug/l	5.0U	5.0U	5.0U	5.0U	5.0U
Chromium, ug/l	10.0U	10.0U	10.0U	10.0U	10.0U
Copper, ug/l	10.0U	10.0U	10.0U	10.0U	10.0U
Nickel, ug/l	10.0U	10.0U	10.0U	10.0U	10.0U
Silver, ug/l	10.0U	10.0U	10.0U	10.0U	10.0U
Zinc, ug/l	11.4	10.0U	12.0	10.0U	10.4
Date Analyzed	03.22.91	03.22.91	03.22.91	03.22.91	03.22.91
Arsenic (7060)					
Arsenic, ug/l	10.0UWNJ	10.0UWNJ	10.0UWNJ	10.0UWNJ	10.0UWNJ
Date Analyzed	03.21.91	03.21.91	03.21.91	03.21.91	03.21.91
Lead (7421)					
Lead, ug/l	5.0U	5.0U	5.0U	5.0U	5.0U
Date Analyzed	03.23.91	03.23.91	03.23.91	03.23.91	03.23.91
Mercury (7470/7471)					
Mercury, ug/l	0.20U	0.20U	0.20U	0.20U	0.20U
Date Analyzed	03.27.91	03.27.91	03.27.91	03.27.91	03.27.91
Selenium (7740)					
Selenium, ug/l	5.0UWNJ	5.0UWNJ	5.0UWNJ	5.0UWNJ	5.0UWNJ
Date Analyzed	03.28.91	03.28.91	03.28.91	03.28.91	03.28.91

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LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES					SAMPLED BY
32180-6	BC6-MW3-3 (3-16-91) (SDG #B00003)					Client
32180-7	BC6-MW2-3 (3-16-91) (SDG #B00003)					
32180-8	BC-MW12-3 (3-17-91) (SDG #B00003)					
32180-9	BC-MW11-3 (3-17-91) (SDG #B00003)					
32180-10	BC-MW10-3 (3-17-91) (SDG #B00003)					
PARAMETER	32180-6	32180-7	32180-8	32180-9	32180-10	
Thallium (7841)						
Thallium, ug/l	5.0U	5.0U	5.0U	5.0U	5.0U	
Date Analyzed	03.24.91	03.24.91	03.24.91	03.24.91	03.24.91	

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LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY			
32180-11	BC6-MW1-3 (3-18-91) (SDG #B00003)	Client			
32180-12	BC-RB3-3 (3-18-91) (SDG #B00003)				
32180-13	BC2-MW1-3 (3-18-91) (SDG #B00003)				
32180-14	BC-MW9-3 (3-18-91) (SDG #B00003)				
PARAMETER	32180-11	32180-12	32180-13	32180-14	
Volatiles by GC/MS (8240)					
Chloromethane, ug/l	2U	10U	2U	2U	
Bromomethane, ug/l	2U	10U	2U	2U	
Vinyl Chloride, ug/l	2U	10U	2U	2U	
Chloroethane, ug/l	2U	10U	2U	2U	
Methylene Chloride, ug/l	1U	5U	1U	1U	
Acetone, ug/l	2U	10U	2U	2U	
Carbon Disulfide, ug/l	1U	5U	1U	1U	
1,1-Dichloroethene, ug/l	1U	5U	1U	1U	
1,1-Dichloroethane, ug/l	1U	5U	1U	1U	
Trans-1,2-Dichloroethene, ug/l	1U	5U	1U	1U	
Chloroform, ug/l	1U	5U	1U	1U	
1,2-Dichloroethane, ug/l	0.36U	1.8U	0.36U	0.36U	
2-Butanone, ug/l	2UR	10UR	2UR	2UR	
1,1,1-Trichloroethane, ug/l	1U	5U	1U	1U	
Carbon Tetrachloride, ug/l	1U	5U	1U	1U	
Vinyl Acetate, ug/l	2U	10U	2U	2U	
Bromodichloromethane, ug/l	1U	5U	1U	1U	
1,1,2,2-Tetrachloroethane, ug/l	1U	5U	1U	1U	
1,2-Dichloropropane, ug/l	1U	5U	1U	1U	
Trans-1,3-Dichloropropene, ug/l	1U	5U	1U	1U	

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LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY			
32180-11	BC6-MW1-3 (3-18-91) (SDG #B00003)	Client			
32180-12	BC-RB3-3 (3-18-91) (SDG #B00003)				
32180-13	BC2-MW1-3 (3-18-91) (SDG #B00003)				
32180-14	BC-MW9-3 (3-18-91) (SDG #B00003)				
PARAMETER	32180-11	32180-12	32180-13	32180-14	
Trichloroethene, ug/l	1	5U	1U	1U	
Dibromochloromethane, ug/l	1U	5U	1U	1U	
1,1,2-Trichloroethane, ug/l	1U	5U	1U	1U	
Benzene, ug/l	0.36	1.3U	0.26U	0.26U	
Cis-1,3-Dichloropropene, ug/l	1U	5U	1U	1U	
Bromoform, ug/l	1U	5U	1U	1U	
2-Hexanone, ug/l	2UR	10UR	2UR	2UR	
4-Methyl-2-pentanone, ug/l	2U	10U	2U	2U	
Tetrachloroethene, ug/l	0.7J	5U	1U	1U	
Toluene, ug/l	0.40U	2.0U	0.40U	0.40U	
Chlorobenzene, ug/l	1U	5U	1U	1U	
Ethylbenzene, ug/l	1U	5U	1U	1U	
Styrene, ug/l	1U	5U	1U	1U	
Xylenes, ug/l	0.4JB	5U	1U	1U	
Surrogate-TOL (CL 88-110)	103 %	98 %	98 %	97 %	
Surrogate-BFB (CL 86-115)	112 %	93 %	113 %	95 %	
Surrogate-DCE (CL 76-114)	110 %	89 %	109 %	97 %	
BFB-Tuning	PASSED	PASSED	PASSED	PASSED	
Date Analyzed	03.29.91	03.30.91	03.29.91	03.30.91	

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LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY			
32180-11	BC6-MW1-3 (3-18-91) (SDG #B000003)	Client			
32180-12	BC-RB3-3 (3-18-91) (SDG #B000003)				
32180-13	BC2-MW1-3 (3-18-91) (SDG #B000003)				
32180-14	BC-MW9-3 (3-18-91) (SDG #B000003)				
PARAMETER	32180-11	32180-12	32180-13	32180-14	
ICP Metals (6010)					
Antimony, ug/l	50.0U	50.0U	50.0U	50.0U	
Beryllium, ug/l	5.0U	5.0U	5.0U	5.0U	
Cadmium, ug/l	5.0U	5.0U	5.0U	5.0U	
Chromium, ug/l	10.0U	10.0U	10.0U	10.0U	
Copper, ug/l	10.0U	10.0U	10.0U	10.0U	
Nickel, ug/l	10.0U	10.0U	10.0U	10.0U	
Silver, ug/l	10.0U	10.0U	10.0U	10.0U	
Zinc, ug/l	10.0U	10.0U	13.0	25.3	
Date Analyzed	03.22.91	03.22.91	03.22.91	03.22.91	
Arsenic (7060)					
Arsenic, ug/l	10.0UWJ	10.0UWJ	10.0UWJ	10.0UWJ	
Date Analyzed	03.21.91	03.21.91	03.21.91	03.21.91	
Lead (7421)					
Lead, ug/l	5.0UWJ	5.0U	5.0U	5.0U	
Date Analyzed	03.23.91	03.23.91	03.23.91	03.23.91	
Mercury (7470/7471)					
Mercury, ug/l	0.20U	0.20U	0.20U	0.20U	
Date Analyzed	03.27.91	03.27.91	03.27.91	03.27.91	
Selenium (7740)					
Selenium, ug/l	5.0UWJ	5.0UWJ	5.0UWJ	5.0UWJ	
Date Analyzed	03.28.91	03.28.91	03.28.91	03.28.91	

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LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY			
32180-11	BC6-MW1-3 (3-18-91) (SDG #B00003)	Client			
32180-12	BC-RB3-3 (3-18-91) (SDG #B00003)				
32180-13	BC2-MW1-3 (3-18-91) (SDG #B00003)				
32180-14	BC-MW9-3 (3-18-91) (SDG #B00003)				
PARAMETER	32180-11	32180-12	32180-13	32180-14	
Thallium (7841)					
Thallium, ug/l	5.0UWJ	5.0U	5.0UWJ	5.0U	
Date Analyzed	04.16.91	04.16.91	04.16.91	04.16.91	

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LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES				SAMPLED BY
32180-15	BC2-SW1-3 (3-18-91) (SDG #B00002)				Client
32180-16	BC2-SW3-3 (3-18-91) (SDG #B00002)				
32180-17	BC2-SW2-3 (3-18-91) (SDG #B00002)				
32180-18	BC7-SW1-3 (3-18-91) (SDG #B00002)				
32180-19	BC2-SW4-3 (3-18-91) (SDG #B00002)				
PARAMETER	32180-15	32180-16	32180-17	32180-18	32180-19
Volatiles by GC/MS (8240)					
Chloromethane, ug/l	2U	2U	2U	2U	2U
Bromomethane, ug/l	2U	2U	2U	2U	2U
Vinyl Chloride, ug/l	2U	2U	2U	2U	2U
Chloroethane, ug/l	2U	2U	2U	2U	2U
Methylene Chloride, ug/l	1U	1U	1U	1U	1U
Acetone, ug/l	2U	2U	2U	2U	2U
Carbon Disulfide, ug/l	1U	1U	1U	1U	1U
1,1-Dichloroethene, ug/l	1U	1U	1U	1U	1U
1,1-Dichloroethane, ug/l	1U	1U	1U	1U	1U
Trans-1,2-Dichloroethene, ug/l	1U	1U	1U	1U	1U
Chloroform, ug/l	1U	1U	1U	1U	1U
1,2-Dichloroethane, ug/l	0.36U	0.36U	0.36U	0.36U	0.36U
2-Butanone, ug/l	2UR	2UR	2UR	2UR	2UR
1,1,1-Trichloroethane, ug/l	1U	1U	1U	1U	1U
Carbon Tetrachloride, ug/l	1U	1U	1U	1U	1U
Vinyl Acetate, ug/l	2U	2U	2U	2U	2U
Bromodichloromethane, ug/l	1U	1U	1U	1U	1U
1,1,2,2-Tetrachloroethane, ug/l	1U	1U	1U	1U	1U
1,2-Dichloropropane, ug/l	1U	1U	1U	1U	1U

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LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES				SAMPLED BY
32180-15	BC2-SW1-3 (3-18-91) (SDG #B00002)				Client
32180-16	BC2-SW3-3 (3-18-91) (SDG #B00002)				
32180-17	BC2-SW2-3 (3-18-91) (SDG #B00002)				
32180-18	BC7-SW1-3 (3-18-91) (SDG #B00002)				
32180-19	BC2-SW4-3 (3-18-91) (SDG #B00002)				
PARAMETER	32180-15	32180-16	32180-17	32180-18	32180-19
Trans-1,3-Dichloropropene, ug/l	1U	1U	1U	1U	1U
Trichloroethene, ug/l	1U	1U	1U	1U	1U
Dibromochloromethane, ug/l	1U	1U	1U	1U	1U
1,1,2-Trichloroethane, ug/l	1U	1U	1U	1U	1U
Benzene, ug/l	0.26U	0.26U	0.26U	0.26U	0.26U
Cis-1,3-Dichloropropene, ug/l	1U	1U	1U	1U	1U
Bromoform, ug/l	1U	1U	1U	1U	1U
2-Hexanone, ug/l	2UR	2UR	2UR	2UR	2UR
4-Methyl-2-pentanone, ug/l	2U	2U	2U	2U	2U
Tetrachloroethene, ug/l	1U	1U	1U	1U	1U
Toluene, ug/l	0.40U	0.40U	0.40U	0.40U	0.49
Chlorobenzene, ug/l	1U	1U	1U	1U	1U
Ethylbenzene, ug/l	1U	1U	1U	1U	1U
Styrene, ug/l	1U	1U	1U	1U	1U
Xylenes, ug/l	1U	1U	1U	1U	1U
Surrogate-TOL (CL 88-110)	91 Z	89 Z	95 Z	91 Z	90 Z
Surrogate-BFB (CL 86-115)	100 Z	101 Z	99 Z	99 Z	104 Z
Surrogate-DCE (CL 76-114)	94 Z	91 Z	97 Z	90 Z	90 Z
BFB-Tuning	PASSED	PASSED	PASSED	PASSED	PASSED
Date Analyzed	03.26.91	03.26.91	03.26.91	03.26.91	03.26.91

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LOG NO: S1-32180

Received: 19 MAR 91

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Project: AT561 Battlecreek, Michigan

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LOG NO SAMPLE DESCRIPTION , LIQUID SAMPLES SAMPLED BY

32180-15	BC2-SW1-3 (3-18-91) (SDG #B00002)	Client
32180-16	BC2-SW3-3 (3-18-91) (SDG #B00002)	
32180-17	BC2-SW2-3 (3-18-91) (SDG #B00002)	
32180-18	BC7-SW1-3 (3-18-91) (SDG #B00002)	
32180-19	BC2-SW4-3 (3-18-91) (SDG #B00002)	

PARAMETER	32180-15	32180-16	32180-17	32180-18	32180-19
-----------	----------	----------	----------	----------	----------

Semivolatiles (8270)

Phenol, ug/l	10U	10U	10U	10U	10U
bis(2-Chloroethyl) ether, ug/l	10U	10U	10U	10U	10U
2-Chlorophenol, ug/l	10U	10U	10U	10U	10U
1,3-Dichlorobenzene, ug/l	10U	10U	10U	10U	10U
1,4-Dichlorobenzene, ug/l	10U	10U	10U	10U	10U
Benzyl alcohol, ug/l	10U	10U	10U	10U	10U
1,2-Dichlorobenzene, ug/l	10U	10U	10U	10U	10U
2-Methylphenol (o-cresol), ug/l	10U	10U	10U	10U	10U
Bis(2-chloroisopropyl)ether, ug/l	10U	10U	10U	10U	10U
4-Methylphenol (p-cresol), ug/l	10U	10U	10U	10U	10U
N-Nitroso-di-n-propylamine, ug/l	10U	10U	10U	10U	10U
Hexachloroethane, ug/l	10U	10U	10U	10U	10U
Nitrobenzene, ug/l	10U	10U	10U	10U	10U
Isophorone, ug/l	10U	10U	10U	10U	10U
2-Nitrophenol, ug/l	10U	10U	10U	10U	10U
2,4-Dimethylphenol, ug/l	10U	10U	10U	10U	10U
Benzoic acid, ug/l	50U	50U	50U	50U	50U
bis(2-Chloroethoxy) methane, ug/l	10U	10U	10U	10U	10U
2,4-Dichlorophenol, ug/l	10U	10U	10U	10U	10U

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LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY				
32180-15	BC2-SW1-3 (3-18-91) (SDG #B00002)	Client				
32180-16	BC2-SW3-3 (3-18-91) (SDG #B00002)					
32180-17	BC2-SW2-3 (3-18-91) (SDG #B00002)					
32180-18	BC7-SW1-3 (3-18-91) (SDG #B00002)					
32180-19	BC2-SW4-3 (3-18-91) (SDG #B00002)					
PARAMETER	32180-15	32180-16	32180-17	32180-18	32180-19	
1,2,4-Trichlorobenzene, ug/l	10U	10U	10U	10U	10U	
Naphthalene, ug/l	10U	10U	10U	10U	10U	
4-Chloroaniline, ug/l	10U	10U	10U	10U	10U	
Hexachlorobutadiene, ug/l	10U	10U	10U	10U	10U	
4-Chloro-3-methylphenol, ug/l	10U	10U	10U	10U	10U	
2-Methylnaphthalene, ug/l	10U	10U	10U	10U	10U	
Hexachlorocyclopentadiene, ug/l	10U	10U	10U	10U	10U	
2,4,6-Trichlorophenol, ug/l	10U	10U	10U	10U	10U	
2,4,5-Trichlorophenol, ug/l	50U	50U	50U	50U	50U	
2-Chloronaphthalene, ug/l	10U	10U	10U	10U	10U	
2-Nitroaniline, ug/l	50U	50U	50U	50U	50U	
Dimethylphthalate, ug/l	10U	10U	10U	10U	10U	
Acenaphthylene, ug/l	10U	10U	10U	10U	10U	
3-Nitroaniline, ug/l	50U	50U	50U	50U	50U	
Acenaphthene, ug/l	10U	10U	10U	10U	10U	
2,4-Dinitrophenol, ug/l	50U	50U	50U	50U	50U	
4-Nitrophenol, ug/l	50U	50U	50U	50U	50U	
Dibenzofuran, ug/l	10U	10U	10U	10U	10U	
2,4-Dinitrotoluene, ug/l	10U	10U	10U	10U	10U	
2,6-Dinitrotoluene, ug/l	10U	10U	10U	10U	10U	

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LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY				
32180-15	BC2-SW1-3 (3-18-91) (SDG #B00002)	Client				
32180-16	BC2-SW3-3 (3-18-91) (SDG #B00002)					
32180-17	BC2-SW2-3 (3-18-91) (SDG #B00002)					
32180-18	BC7-SW1-3 (3-18-91) (SDG #B00002)					
32180-19	BC2-SW4-3 (3-18-91) (SDG #B00002)					
PARAMETER	32180-15	32180-16	32180-17	32180-18	32180-19	
Diethylphthalate, ug/l	10U	10U	10U	10U	10U	
4-Chlorophenyl-phenyl ether, ug/l	10U	10U	10U	10U	10U	
Fluorene, ug/l	10U	10U	10U	10U	10U	
4-Nitroaniline, ug/l	50U	50U	50U	50U	50U	
4,6-Dinitro-2-methylphenol, ug/l	50U	50U	50U	50U	50U	
N-Nitrosodiphenylamine/Diph enylamine, ug/l	10U	10U	10U	10U	10U	
4-Bromophenyl-phenyl-ether, ug/l	10U	10U	10U	10U	10U	
Hexachlorobenzene, ug/l	10U	10U	10U	10U	10U	
Pentachlorophenol, ug/l	50U	50U	50U	50U	50U	
Phenanthrene, ug/l	10U	10U	10U	10U	10U	
Anthracene, ug/l	10U	10U	10U	10U	10U	
Di-n-butylphthalate, ug/l	10U	10U	10U	10U	10U	
Fluoranthene, ug/l	10U	10U	6J	10U	10U	
Pyrene, ug/l	10U	10U	10U	10U	10U	
Butylbenzylphthalate, ug/l	10U	10U	10U	10U	10U	
3,3'-Dichlorobenzidine, ug/l	20U	20U	20U	20U	20U	
Benzo(a)anthracene, ug/l	10U	10U	10U	10U	10U	
bis(2-Ethylhexyl) phthalate, ug/l	44B	40B	45B	34B	34B	
Chrysene, ug/l	10U	10U	10U	10U	10U	

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LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY			
32180-15	BC2-SW1-3 (3-18-91) (SDG #B00002)	Client			
32180-16	BC2-SW3-3 (3-18-91) (SDG #B00002)				
32180-17	BC2-SW2-3 (3-18-91) (SDG #B00002)				
32180-18	BC7-SW1-3 (3-18-91) (SDG #B00002)				
32180-19	BC2-SW4-3 (3-18-91) (SDG #B00002)				
PARAMETER	32180-15	32180-16	32180-17	32180-18	32180-19
Di-n-octylphthalate, ug/l	10U	10U	10U	10U	10U
Benzo(b)fluoranthene, ug/l	10U	10U	10U	10U	10U
Benzo(k)fluoranthene, ug/l	10U	10U	10U	10U	10U
Benzo(a)pyrene, ug/l	10U	10U	10U	10U	10U
Indeno (1,2,3-cd)pyrene, ug/l	10U	10U	10U	10U	10U
Dibenz(a,h)anthracene, ug/l	10U	10U	10U	10U	10U
Benzo(g,h,i)perylene, ug/l	10U	10U	10U	10U	10U
Surrogate-NBZ (CL 35-114)	54 %	86 %	66 %	43 %	59 %
Surrogate-FBP (CL 43-116)	54 %	74 %	67 %	48 %	59 %
Surrogate-TPH (CL 33-141)	55 %	41 %	62 %	54 %	41 %
Surrogate-PHL (CL 10-110)	56 %	78 %	73 %	50 %	65 %
Surrogate-2FP (CL 21-100)	48 %	70 %	64 %	45 %	58 %
Surrogate-TBP (CL 10-123)	62 %	69 %	69 %	49 %	67 %
DFTPP-Tuning	PASSED	PASSED	PASSED	PASSED	PASSED
Date Extracted	03.20.91	03.20.91	03.20.91	03.20.91	03.20.91
Date Analyzed	03.26.91	03.26.91	03.26.91	03.26.91	03.26.91

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LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY				
32180-15	BC2-SW1-3 (3-18-91) (SDG #B00002)	Client				
32180-16	BC2-SW3-3 (3-18-91) (SDG #B00002)					
32180-17	BC2-SW2-3 (3-18-91) (SDG #B00002)					
32180-18	BC7-SW1-3 (3-18-91) (SDG #B00002)					
32180-19	BC2-SW4-3 (3-18-91) (SDG #B00002)					
PARAMETER	32180-15	32180-16	32180-17	32180-18	32180-19	
ICP Metals (6010)						
Antimony, ug/l	50.0U	50.0U	50.0U	50.0U	50.0U	
Beryllium, ug/l	5.0U	5.0U	5.0U	5.0U	5.0U	
Cadmium, ug/l	5.0U	5.0U	5.0U	5.0U	5.0U	
Chromium, ug/l	10.4	10.0U	11.6	13.9	10.0U	
Copper, ug/l	15.9	10.0U	64.5	77.3	187	
Nickel, ug/l	10.0U	10.0U	11.5	13.6	10.0U	
Silver, ug/l	10.0U	10.0U	10.0U	10.0U	10.0U	
Zinc, ug/l	54.7	60.7	54.7	200	134	
Date Analyzed	03.21.91	03.21.91	03.21.91	03.21.91	03.21.91	
Arsenic (7060)						
Arsenic, ug/l	10.0U	10.0U	10.0U	10.0U	10.0U	
Date Analyzed	03.21.91	03.21.91	03.21.91	03.21.91	03.21.91	
Lead (7421)						
Lead, ug/l	9.6	23.7	87.7	96.9	70.5	
Date Analyzed	03.25.91	03.25.91	03.25.91	03.25.91	03.25.91	
Mercury (7470/7471)						
Mercury , ug/l	0.20U	0.20U	0.20	0.20	0.20	
Date Analyzed	03.27.91	03.27.91	03.27.91	03.27.91	03.27.91	
Selenium (7740)						
Selenium, ug/l	5.0U	5.0U	5.0U	5.0U	5.0U	
Date Analyzed	03.28.91	03.28.91	03.28.91	03.28.91	03.28.91	

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LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY				
32180-15	BC2-SW1-3 (3-18-91) (SDG #B00002)	Client				
32180-16	BC2-SW3-3 (3-18-91) (SDG #B00002)					
32180-17	BC2-SW2-3 (3-18-91) (SDG #B00002)					
32180-18	BC7-SW1-3 (3-18-91) (SDG #B00002)					
32180-19	BC2-SW4-3 (3-18-91) (SDG #B00002)					
PARAMETER	32180-15	32180-16	32180-17	32180-18	32180-19	
Thallium (7841)						
Thallium, ug/l	5.0U	51.4	56.0	5.0U	5.0U	
Date Analyzed	03.24.91	03.24.91	03.24.91	03.24.91	03.24.91	

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LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
32180-20	BC-TB3-3 (3-16-91) (SDG #B000003)	Client
PARAMETER	32180-20	
Volatiles by GC/MS (8240)		
Chloromethane, ug/l	2U	
Bromomethane, ug/l	2U	
Vinyl Chloride, ug/l	2U	
Chloroethane, ug/l	2U	
Methylene Chloride, ug/l	1U	
Acetone, ug/l	2U	
Carbon Disulfide, ug/l	1U	
1,1-Dichloroethene, ug/l	1U	
1,1-Dichloroethane, ug/l	1U	
Trans-1,2-Dichloroethene, ug/l	1U	
Chloroform, ug/l	0.33U	
1,2-Dichloroethane, ug/l	0.36U	
2-Butanone, ug/l	2U-R	
1,1,1-Trichloroethane, ug/l	1U	
Carbon Tetrachloride, ug/l	1U	
Vinyl Acetate, ug/l	2U	
Bromodichloromethane, ug/l	2U	
1,1,2,2-Tetrachloroethane, ug/l	1U	
1,2-Dichloropropane, ug/l	1U	
Trans-1,3-Dichloropropene, ug/l	1U	
Trichloroethene, ug/l	1U	
Dibromochloromethane, ug/l	2U	
1,1,2-Trichloroethane, ug/l	1U	

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LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
32180-20	BC-TB3-3 (3-16-91) (SDG #B00003)	Client
PARAMETER	32180-20	
Benzene, ug/l	0.26U	
Cis-1,3-Dichloropropene, ug/l	1U	
Bromoform, ug/l	2	
2-Hexanone, ug/l	2UR	
4-Methyl-2-pentanone, ug/l	2U	
Tetrachloroethene, ug/l	1U	
Toluene, ug/l	0.40U	
Chlorobenzene, ug/l	1U	
Ethylbenzene, ug/l	1U	
Styrene, ug/l	1U	
Xylenes, ug/l	1U	
Surrogate-TOL (CL 88-110)	106 %	
Surrogate-BFB (CL 86-115)	114 %	
Surrogate-DCE (CL 76-114)	104 %	
BFB-Tuning	PASSED	
Date Analyzed	03.29.91	

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LOG NO	SAMPLE DESCRIPTION , REPORT FOR LIQUID SAMPLES	SAMPLED BY				
32180-21	Method Blank (SDG # B00003)	Client				
32180-22	LCS (% Rec) (SDG # B00003)					
32180-23	MS/MSD (% Rec) (SDG # B00003)					
32180-24	% RPD (SDG # B00003)					
32180-25	Calibration Initial/Continuing (SDG # B00003)					
PARAMETER	32180-21	32180-22	32180-23	32180-24	32180-25	
Volatiles by GC/MS (8240)						
Chloromethane, ug/l	2U	---	---	---	---	**
Bromomethane, ug/l	2U	---	---	---	---	**
Vinyl Chloride, ug/l	2U	---	---	---	---	**
Chloroethane, ug/l	2U	---	---	---	---	**
Methylene Chloride, ug/l	1U	---	---	---	---	**
Acetone, ug/l	2U	---	---	---	---	**
Carbon Disulfide, ug/l	1U	---	---	---	---	**
1,1-Dichloroethene, ug/l	1U	109/99 %	118/138 %	16 %	---	**
1,1-Dichloroethane, ug/l	1U	---	---	---	---	**
Trans-1,2-Dichloroethene, ug/l	1U	---	---	---	---	**
Chloroform, ug/l	1U	---	---	---	---	**
1,2-Dichloroethane, ug/l	0.36U	---	---	---	---	**
2-Butanone, ug/l	2U	---	---	---	---	**
1,1,1-Trichloroethane, ug/l	1U	---	---	---	---	**
Carbon Tetrachloride, ug/l	1U	---	---	---	---	**
Vinyl Acetate, ug/l	2U	---	---	---	---	**
Bromodichloromethane, ug/l	1U	---	---	---	---	**
1,1,2,2-Tetrachloroethane, ug/l	1U	---	---	---	---	**
1,2-Dichloropropane, ug/l	1U	---	---	---	---	**

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LOG NO	SAMPLE DESCRIPTION , REPORT FOR LIQUID SAMPLES					SAMPLED BY
32180-21	Method Blank (SDG # B00003)					Client
32180-22	LCS (Z Rec) (SDG # B00003)					
32180-23	MS/MSD (Z Rec) (SDG # B00003)					
32180-24	Z RPD (SDG # B00003)					
32180-25	Calibration Initial/Continuing (SDG # B00003)					
PARAMETER	32180-21	32180-22	32180-23	32180-24	32180-25	
Trans-1,3-Dichloropropene, ug/l	1U	---	---	---	**	
Trichloroethene, ug/l	1U	106/96 Z	98/107 Z	8.7 Z	**	
Dibromochloromethane, ug/l	1U	---	---	---	**	
1,1,2-Trichloroethane, ug/l	1U	---	---	---	**	
Benzene, ug/l	0.26U	109/91 Z	99/106 Z	6.8 Z	**	
Cis-1,3-Dichloropropene, ug/l	1U	---	---	---	**	
Bromoform, ug/l	1U	---	---	---	**	
2-Hexanone, ug/l	2U	---	---	---	**	
4-Methyl-2-pentanone, ug/l	2U	---	---	---	**	
Tetrachloroethene, ug/l	1U	---	---	---	**	
Toluene, ug/l	0.40U	105/102 Z	99/97 Z	2.0 Z	**	
Chlorobenzene, ug/l	1U	102/97 Z	100/106 Z	5.8 Z	**	
Ethylbenzene, ug/l	1U	---	---	---	**	
Styrene, ug/l	1U	---	---	---	**	
Xylenes, ug/l	1U/0.4J	---	---	---	**	
Surrogate-TOL (CL 88-110)	90/103 Z	107/100 Z	96/98 Z	---	---	
Surrogate-BFB (CL 86-115)	98/110 Z	110/97 Z	97/101 Z	---	---	
Surrogate-DCE (CL 76-114)	94/104 Z	113/110 Z	97/93 Z	---	---	
BFB-Tuning	PASSED	PASSED	PASSED	---	---	
Date Analyzed	3.26/29.91	---	---	---	---	

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LOG NO: S1-32180

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Project: AT561 Battlecreek, Michigan

REPORT OF RESULTS

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LOG NO SAMPLE DESCRIPTION , REPORT FOR LIQUID SAMPLES SAMPLED BY

LOG NO	SAMPLE DESCRIPTION , REPORT FOR LIQUID SAMPLES	SAMPLED BY
32180-21	Method Blank (SDG # B00003)	Client
32180-22	LCS (% Rec) (SDG # B00003)	
32180-23	MS/MSD (% Rec) (SDG # B00003)	
32180-24	% RPD (SDG # B00003)	
32180-25	Calibration Initial/Continuing (SDG # B00003)	

PARAMETER	32180-21	32180-22	32180-23	32180-24	32180-25
Semivolatiles (8270)					
Phenol, ug/l	10U	69 %	74/68 %	8.4 %	**
bis(2-Chloroethyl) ether, ug/l	10U	---	---	---	**
2-Chlorophenol, ug/l	10U	73 %	75/70 %	6.8 %	**
1,3-Dichlorobenzene, ug/l	10U	---	---	---	**
1,4-Dichlorobenzene, ug/l	10U	69 %	66/60 %	10 %	**
Benzyl alcohol, ug/l	10U	---	---	---	**
1,2-Dichlorobenzene, ug/l	10U	---	---	---	**
2-Methylphenol (o-cresol), ug/l	10U	---	---	---	**
Bis(2-chloroisopropyl)ether, ug/l	10U	---	---	---	**
4-Methylphenol (p-cresol), ug/l	10U	---	---	---	**
N-Nitroso-di-n-propylamine, ug/l	10U	66 %	78/69 %	13 %	**
Hexachloroethane, ug/l	10U	---	---	---	**
Nitrobenzene, ug/l	10U	---	---	---	**
Isophorone, ug/l	10U	---	---	---	**
2-Nitrophenol, ug/l	10U	---	---	---	**
2,4-Dimethylphenol, ug/l	10U	---	---	---	**
Benzoic acid, ug/l	50U	---	---	---	**
bis(2-Chloroethoxy) methane, ug/l	10U	---	---	---	**
2,4-Dichlorophenol, ug/l	10U	---	---	---	**

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REPORT OF RESULTS

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LOG NO	SAMPLE DESCRIPTION , REPORT FOR LIQUID SAMPLES					SAMPLED BY
32180-21	Method Blank (SDG # B00003)					Client
32180-22	LCS (Z Rec) (SDG # B00003)					
32180-23	MS/MSD (Z Rec) (SDG # B00003)					
32180-24	Z RPD (SDG # B00003)					
32180-25	Calibration Initial/Continuing (SDG # B00003)					
PARAMETER	32180-21	32180-22	32180-23	32180-24	32180-25	
1,2,4-Trichlorobenzene, ug/l	10U	74 Z	70/61 Z	14 Z	**	
Naphthalene, ug/l	10U	---	---	---	**	
4-Chloroaniline, ug/l	10U	---	---	---	**	
Hexachlorobutadiene, ug/l	10U	---	---	---	**	
4-Chloro-3-methylphenol, ug/l	10U	78 Z	82/71 Z	11 Z	**	
2-Methylnaphthalene, ug/l	10U	---	---	---	**	
Hexachlorocyclopentadiene, ug/l	10U	---	---	---	**	
2,4,6-Trichlorophenol, ug/l	10U	---	---	---	**	
2,4,5-Trichlorophenol, ug/l	50U	---	---	---	**	
2-Chloronaphthalene, ug/l	10U	---	---	---	**	
2-Nitroaniline, ug/l	50U	---	---	---	**	
Dimethylphthalate, ug/l	10U	---	---	---	**	
Acenaphthylene, ug/l	10U	---	---	---	**	
3-Nitroaniline, ug/l	50U	---	---	---	**	
Acenaphthene, ug/l	10U	85 Z	82/76 Z	7.5 Z	**	
2,4-Dinitrophenol, ug/l	50U	---	---	---	**	
4-Nitrophenol, ug/l	50U	53 Z	85/60 Z	34 Z	**	
Dibenzofuran, ug/l	10U	---	---	---	**	
2,4-Dinitrotoluene, ug/l	10U	76 Z	77/67 Z	14 Z	**	
2,6-Dinitrotoluene, ug/l	10U	---	---	---	**	

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LOG NO SAMPLE DESCRIPTION , REPORT FOR LIQUID SAMPLES SAMPLED BY

32180-21	Method Blank (SDG # B00003)	Client
32180-22	LCS (% Rec) (SDG # B00003)	
32180-23	MS/MSD (% Rec) (SDG # B00003)	
32180-24	% RPD (SDG # B00003)	
32180-25	Calibration Initial/Continuing (SDG # B00003)	

PARAMETER	32180-21	32180-22	32180-23	32180-24	32180-25
Diethylphthalate, ug/l	10U	---	---	---	**
4-Chlorophenyl-phenyl ether, ug/l	10U	---	---	---	**
Fluorene, ug/l	10U	---	---	---	**
4-Nitroaniline, ug/l	50U	---	---	---	**
4,6-Dinitro-2-methylphenol, ug/l	50U	---	---	---	**
N-Nitrosodiphenylamine/Diph enylamine, ug/l	10U	---	---	---	**
4-Bromophenyl-phenyl-ether, ug/l	10U	---	---	---	**
Hexachlorobenzene, ug/l	10U	---	---	---	**
Pentachlorophenol, ug/l	50U	25 %	80/36 %	76 %	**
Phenanthrene, ug/l	10U	---	---	---	**
Anthracene, ug/l	10U	---	---	---	**
Di-n-butylphthalate, ug/l	10U	---	---	---	**
Fluoranthene, ug/l	10U	---	---	---	**
Pyrene, ug/l	10U	101 %	79/73 %	7.5 %	**
Butylbenzylphthalate, ug/l	10U	---	---	---	**
3,3'-Dichlorobenzidine, ug/l	20U	---	---	---	**
Benzo(a)anthracene, ug/l	10U	---	---	---	**
bis(2-Ethylhexyl) phthalate, ug/l	20/10U	---	---	---	**

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LOG NO	SAMPLE DESCRIPTION , REPORT FOR LIQUID SAMPLES					SAMPLED BY
32180-21	Method Blank (SDG # B00003)					Client
32180-22	LCS (% Rec) (SDG # B00003)					
32180-23	MS/MSD (% Rec) (SDG # B00003)					
32180-24	% RPD (SDG # B00003)					
32180-25	Calibration Initial/Continuing (SDG # B00003)					
PARAMETER	32180-21	32180-22	32180-23	32180-24	32180-25	
Chrysene, ug/l	10U	---	---	---	**	
Di-n-octylphthalate, ug/l	10U	---	---	---	**	
Benzo(b)fluoranthene, ug/l	10U	---	---	---	**	
Benzo(k)fluoranthene, ug/l	10U	---	---	---	**	
Benzo(a)pyrene, ug/l	10U	---	---	---	**	
Indeno (1,2,3-cd)pyrene, ug/l	10U	---	---	---	**	
Dibenz(a,h)anthracene, ug/l	10U	---	---	---	**	
Benzo(g,h,i)perylene, ug/l	10U	---	---	---	**	
Surrogate-NBZ (CL 35-114)	78/85 %	82 %	86/74 %	---	---	
Surrogate-FBP (CL 43-116)	80/84 %	80 %	80/75 %	---	---	
Surrogate-TPH (CL 33-141)	97/84 %	95 %	72/67 %	---	---	
Surrogate-PHL (CL 10-110)	86/84 %	85 %	78/71 %	---	---	
Surrogate-2FP (CL 21-100)	81/81 %	77 %	74/66 %	---	---	
Surrogate-TBP (CL 10-123)	54/80 %	64 %	76/66 %	---	---	
DFTPP-Tuning	PASSED	PASSED	PASSED	---	---	
Date Extracted	3.20/4.02	---	---	---	---	
Date Analyzed	3.26/4.05	---	---	---	---	

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LOG NO	SAMPLE DESCRIPTION , REPORT FOR LIQUID SAMPLES				SAMPLED BY
32180-21	Method Blank (SDG # B00003)				Client
32180-22	LCS (% Rec) (SDG # B00003)				
32180-23	MS/MSD (% Rec) (SDG # B00003)				
32180-24	% RPD (SDG # B00003)				
32180-25	Calibration Initial/Continuing (SDG # B00003)				
PARAMETER	32180-21	32180-22	32180-23	32180-24	32180-25
ICP Metals (6010)					
Antimony, ug/l	50.0U	106 %	113/115 %	1.8 %	**
Beryllium, ug/l	5.0U	98 %	103/106 %	2.9 %	**
Cadmium, ug/l	5.0U	107 %	120/122 %	1.7 %	**
Chromium, ug/l	10.0U	101 %	109/109 %	0 %	**
Copper, ug/l	10.0U	102 %	109/110 %	0.91 %	**
Nickel, ug/l	10.0U	102 %	109/111 %	1.8 %	**
Silver, ug/l	10.0U	96 %	110/112 %	1.8 %	**
Zinc, ug/l	10.0U	103 %	109/112 %	2.7 %	**
Date Analyzed	03.22.91	---	---	---	---
Arsenic (7060)					
Arsenic, ug/l	10.0U	97 %	24/48 %	67 %	**
Date Analyzed	03.21.91	---	---	---	---
Lead (7421)					
Lead, ug/l	5.0U	106 %	100/103 %	3.0 %	**
Date Analyzed	03.23.91	---	---	---	---
Mercury (7470/7471)					
Mercury , ug/l	0.20U	107 %	96/99 %	3.1 %	**
Date Analyzed	03.27.91	---	---	---	---
Selenium (7740)					
Selenium, ug/l	5.0U	90 %	71/78 %	9.4 %	**
Date Analyzed	03.28.91	---	---	---	---

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LOG NO	SAMPLE DESCRIPTION , REPORT FOR LIQUID SAMPLES					SAMPLED BY
32180-21	Method Blank (SDG # B00003)					Client
32180-22	LCS (% Rec) (SDG # B00003)					
32180-23	MS/MSD (% Rec) (SDG # B00003)					
32180-24	% RPD (SDG # B00003)					
32180-25	Calibration Initial/Continuing (SDG # B00003)					
PARAMETER	32180-21	32180-22	32180-23	32180-24	32180-25	
Thallium (7841)						
Thallium, ug/l	5.0U	82 %	98/101 %	3.0 %	**	
Date Analyzed	03.24.91	---	---	---	---	

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REPORT OF RESULTS

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LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY				
32202-1	BC-MW6-3 (3-19-91) SDG # B00004	Client				
32202-2	BC-MW14-3 (3-19-91) SDG # B00004					
32202-3	BC-MW5-3 (3-19-91) SDG # B00004					
32202-4	BC7-MW2-3 (3-19-91) SDG # B00004					
32202-5	BC7-MW3-3 (3-19-91) SDG # B00004					
PARAMETER	32202-1	32202-2	32202-3	32202-4	32202-5	
Volatiles by GC/MS (8240)						
Chloromethane, ug/l	2U	2U	2U	2U	2U	
Bromomethane, ug/l	2U	2U	2U	2U	2U	
Vinyl Chloride, ug/l	2U	2U	2U	2U	2U	
Chloroethane, ug/l	2U	2U	2U	2U	2U	
Methylene Chloride, ug/l	1U	1U	1U	1U	1U	
Acetone, ug/l	21.5	15	2U	2U	2U	
Carbon Disulfide, ug/l	1U	1U	1U	1U	1U	
1,1-Dichloroethene, ug/l	1U	1U	1U	1U	1U	
1,1-Dichloroethane, ug/l	1U	1U	1U	1U	1U	
Cis/Trans-1,2-Dichloroethene, ug/l	1U	1U	1U	1U	1U	
Chloroform, ug/l	1U	1U	1U	1U	1U	
1,2-Dichloroethane, ug/l	0.36U	0.36U	0.36U	0.36U	0.36U	
2-Butanone, ug/l	2UR	2UR	2UR	2UR	2UR	
1,1,1-Trichloroethane, ug/l	1U	1U	0.51	0.61	0.91	
Carbon Tetrachloride, ug/l	2U	2U	2U	2U	2U	
Vinyl Acetate, ug/l	2U	2U	2U	2U	2U	
Bromodichloromethane, ug/l	1U	1U	1U	1U	1U	
1,1,2,2-Tetrachloroethane, ug/l	2	1U	1U	1U	1U	
1,2-Dichloropropane, ug/l	1U	1U	1U	1U	1U	

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LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY			
32202-1	BC-MW6-3 (3-19-91) SDG # B00004	Client			
32202-2	BC-MW14-3 (3-19-91) SDG # B00004				
32202-3	BC-MW5-3 (3-19-91) SDG # B00004				
32202-4	BC7-MW2-3 (3-19-91) SDG # B00004				
32202-5	BC7-MW3-3 (3-19-91) SDG # B00004				
PARAMETER	32202-1	32202-2	32202-3	32202-4	32202-5
Trans-1,3-Dichloropropene, ug/l	1U	1U	1U	1U	1U
Trichloroethene, ug/l	2 ₃	1U	5	6	1.4
Dibromochloromethane, ug/l	1U	1U	1U	1U	1U
1,1,2-Trichloroethane, ug/l	1U	1U	1U	1U	1U
Benzene, ug/l	0.26U	0.26U	0.26U	0.26U	0.26U
Cis-1,3-Dichloropropene, ug/l	1U	1U	1U	1U	1U
Bromoform, ug/l	1U	1U	1U	1U	1U
2-Hexanone, ug/l	2UR	2UR	2UR	2UR	2UR
4-Methyl-2-pentanone, ug/l	2U	2U	2U	2U	2U
Tetrachloroethene, ug/l	2U	2U	2U	2U	2U
Toluene, ug/l	0.4U	0.4U	0.4U	0.4U	0.4U
Chlorobenzene, ug/l	1U	1U	1U	1U	1U
Ethylbenzene, ug/l	1U	1U	1U	1U	1U
Styrene, ug/l	1U	1U	1U	1U	1U
Xylenes, ug/l	1U	1U	1U	1U	1U
Surrogate-TOL (CL 88-110)	97 %	100 %	94 %	95 %	93 %
Surrogate-BFB (CL 86-115)	112 %	111 %	114 %	110 %	109 %
Surrogate-DCE (CL 76-114)	88 %	86 %	85 %	88 %	89 %
BFB-Tuning	PASSED	PASSED	PASSED	PASSED	PASSED
Date Analyzed	03.27.91	03.27.91	03.27.91	03.27.91	03.27.91

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LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY				
32202-1	BC-MW6-3 (3-19-91) SDG # B00004	Client				
32202-2	BC-MW14-3 (3-19-91) SDG # B00004					
32202-3	BC-MW5-3 (3-19-91) SDG # B00004					
32202-4	BC7-MW2-3 (3-19-91) SDG # B00004					
32202-5	BC7-MW3-3 (3-19-91) SDG # B00004					
PARAMETER	32202-1	32202-2	32202-3	32202-4	32202-5	
ICP Metals (6010)						
Antimony, ug/l	50.0U	50.0U	50.0U	50.0U	50.0U	
Beryllium, ug/l	5.0U	5.0U	5.0U	5.0U	5.0U	
Cadmium, ug/l	5.0U	5.0U	5.0U	5.0U	5.0U	
Chromium, ug/l	10.0U	10.0U	10.0U	10.0U	10.0U	
Copper, ug/l	10.0U	10.0U	10.0U	10.0U	10.0U	
Nickel, ug/l	10.0U	10.0U	10.0U	10.0U	10.0U	
Silver, ug/l	10.0U	10.0U	10.0U	10.0U	10.0U	
Zinc, ug/l	10.0U	10.0U	132	99.2	10.0U	
Date Analyzed	03.25.91	03.25.91	03.25.91	03.25.91	03.25.91	
Arsenic (7060)						
Arsenic, ug/l	10.0U	10.0UWJ	10.0U	10.0U	10.0U	
Date Analyzed	04.10.91	04.10.91	04.10.91	04.10.91	04.10.91	
Lead (7421)						
Lead, ug/l	5.0U	5.0U	5.0U	5.0U	5.0U	
Date Analyzed	04.13.91	04.13.91	04.13.91	04.13.91	04.13.91	
Mercury (7470/7471)						
Mercury , ug/l	0.20U	0.20U	0.20U	0.20U	0.20U	
Date Analyzed	03.30.91	03.30.91	03.30.91	03.30.91	03.30.91	
Selenium (7740)						
Selenium, ug/l	5.0UWJ	5.0UWJ	5.0UWJ	5.0UWJ	5.0UWJ	
Date Analyzed	04.15.91	04.15.91	04.15.91	04.15.91	04.15.91	

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32202-1	BC-MW6-3 (3-19-91) SDG # B00004				Client
32202-2	BC-MW14-3 (3-19-91) SDG # B00004				
32202-3	BC-MW5-3 (3-19-91) SDG # B00004				
32202-4	BC7-MW2-3 (3-19-91) SDG # B00004				
32202-5	BC7-MW3-3 (3-19-91) SDG # B00004				
PARAMETER	32202-1	32202-2	32202-3	32202-4	32202-5
Thallium (7841)					
Thallium, ug/l	5.0U	5.0U	5.0U	5.0U	5.0U
Date Analyzed	04.13.91	04.13.91	04.13.91	04.13.91	04.13.91

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LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY	
32202-6	BC-MW4-3 (3-19-91) SDG # B00004	Client	
32202-7	BC-MW1-1 (3-19-91) SDG # B00004		
PARAMETER		32202-6	32202-7
Volatiles by GC/MS (8240)			
Chloromethane, ug/l		2U	2U
Bromomethane, ug/l		2U	2U
Vinyl Chloride, ug/l		2U	2U
Chloroethane, ug/l		2U	2U
Methylene Chloride, ug/l		1U	1U
Acetone, ug/l		2U	2U
Carbon Disulfide, ug/l		1U	1U
1,1-Dichloroethene, ug/l		1U	1U
1,1-Dichloroethane, ug/l		1U	1U
Cis/Trans-1,2-Dichloroethene, ug/l		1U	1U
Chloroform, ug/l		1U	1U
1,2-Dichloroethane, ug/l		0.36U	0.36U
2-Butanone, ug/l		2UR	2UR
1,1,1-Trichloroethane, ug/l		0.9J	1U
Carbon Tetrachloride, ug/l		2U	2U
Vinyl Acetate, ug/l		2U	2U
Bromodichloromethane, ug/l		1U	1U
1,1,2,2-Tetrachloroethane, ug/l		1U	1U
1,2-Dichloropropane, ug/l		1U	1U
Trans-1,3-Dichloropropene, ug/l		1U	1U
Trichloroethene, ug/l		4J	1U
Dibromochloromethane, ug/l		1U	1U

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LOG NO: S1-32202

Received: 20 MAR 91

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Project: AT561 Battlecreek, Michigan

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LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY	
32202-6	BC-MW4-3 (3-19-91) SDG # B00004	Client	
32202-7	BC-MW1-1 (3-19-91) SDG # B00004		
PARAMETER	32202-6	32202-7	
1,1,2-Trichloroethane, ug/l	1U	1U	
Benzene, ug/l	0.26U	0.26U	
Cis-1,3-Dichloropropene, ug/l	1U	1U	
Bromoform, ug/l	1U	1U	
2-Hexanone, ug/l	2UR	2UR	
4-Methyl-2-pentanone, ug/l	2U	2U	
Tetrachloroethene, ug/l	2U	2U	
Toluene, ug/l	0.4U	0.4U	
Chlorobenzene, ug/l	1U	1U	
Ethylbenzene, ug/l	1U	1U	
Styrene, ug/l	1U	1U	
Xylenes, ug/l	0.3JB	1U	
Surrogate-TOL (CL 88-110)	94 %	94 %	
Surrogate-BFB (CL 86-115)	107 %	109 %	
Surrogate-DCE (CL 76-114)	87 %	89 %	
BFB-Tuning	PASSED	PASSED	
Date Analyzed	03.27.91	03.27.91	

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LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY	
32202-6	BC-MW4-3 (3-19-91) SDG # B00004	Client	
32202-7	BC-MW1-1 (3-19-91) SDG # B00004		
PARAMETER	32202-6	32202-7	
ICP Metals (6010)			
Antimony, ug/l	50.0U	50.0U	
Beryllium, ug/l	5.0U	5.0U	
Cadmium, ug/l	5.0U	5.0U	
Chromium, ug/l	10.0U	10.0U	
Copper, ug/l	10.0U	10.0U	
Nickel, ug/l	10.0U	10.0U	
Silver, ug/l	10.0U	10.0U	
Zinc, ug/l	10.0U	41.4	
Date Analyzed	03.25.91	03.25.91	
Arsenic (7060)			
Arsenic, ug/l	10.0U	10.0U	
Date Analyzed	04.10.91	04.10.91	
Lead (7421)			
Lead, ug/l	5.0U	5.0U	
Date Analyzed	04.13.91	04.13.91	
Mercury (7470/7471)			
Mercury, ug/l	0.20U	0.20U	
Date Analyzed	03.30.91	03.30.91	
Selenium (7740)			
Selenium, ug/l	5.0UWJ	5.0UWJ	
Date Analyzed	04.15.91	04.15.91	
Thallium (7841)			
Thallium, ug/l	5.0U	5.0U	
Date Analyzed	04.13.91	04.13.91	

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LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
32202-8	BC-TB4-3 (3-19-91) SDG # B00004	Client
PARAMETER	32202-8	
Volatiles by GC/MS (8240)		
Chloromethane, ug/l	2U	
Bromomethane, ug/l	2U	
Vinyl Chloride, ug/l	2U	
Chloroethane, ug/l	2U	
Methylene Chloride, ug/l	1U	
Acetone, ug/l	2U	
Carbon Disulfide, ug/l	1U	
1,1-Dichloroethene, ug/l	1U	
1,1-Dichloroethane, ug/l	1U	
Cis/Trans-1,2-Dichloroethene, ug/l	1U	
Chloroform, ug/l	1U	
1,2-Dichloroethane, ug/l	0.36U	
2-Butanone, ug/l	2U ^R	
Carbon Tetrachloride, ug/l	2U	
Vinyl Acetate, ug/l	2U	
Bromodichloromethane, ug/l	2U	
1,1,2,2-Tetrachloroethane, ug/l	1U	
1,2-Dichloropropane, ug/l	1U	
Trans-1,3-Dichloropropene, ug/l	1U	
Trichloroethene, ug/l	1U	
Dibromochloromethane, ug/l	3U	
1,1,2-Trichloroethane, ug/l	1U	
Benzene, ug/l	0.26U	

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LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
32202-8	BC-TB4-3 (3-19-91) SDG # B00004	Client
PARAMETER	32202-8	
Cis-1,3-Dichloropropene, ug/l	1U	
Bromoform, ug/l	2	
2-Hexanone, ug/l	28R	
4-Methyl-2-pentanone, ug/l	2U	
Tetrachloroethene, ug/l	2U	
Toluene, ug/l	0.40U	
Chlorobenzene, ug/l	1U	
Ethylbenzene, ug/l	1U	
Styrene, ug/l	1U	
Xylenes, ug/l	1U	
1,1,1-Trichloroethane, ug/l	1U	
Surrogate-TOL (CL 88-110)	93 %	
Surrogate-BFB (CL 86-115)	113 %	
Surrogate-DCE (CL 76-114)	83 %	
BFB-Tuning	PASSED	
Date Analyzed	03.27.91	

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LOG NO	SAMPLE DESCRIPTION , REPORT FOR LIQUID SAMPLES	SAMPLED BY				
32202-9	Method Blank	Client				
32202-10	LCS % Recovery					
32202-11	Matrix Spike/Matrix Spike Dup (% Rec)					
32202-12	% RPD					
32202-13	Calibration Initial/Continuing					
PARAMETER	32202-9	32202-10	32202-11	32202-12	32202-13	
Volatiles by GC/MS (8240)						
Chloromethane, ug/l	2U	---	---	---		**
Bromomethane, ug/l	2U	---	---	---		**
Vinyl Chloride, ug/l	2U	---	---	---		**
Chloroethane, ug/l	2U	---	---	---		**
Methylene Chloride, ug/l	1U	---	---	---		**
Acetone, ug/l	2U	---	---	---		**
Carbon Disulfide, ug/l	1U	---	---	---		**
1,1-Dichloroethene, ug/l	1U	87 %	107/120 %	11 %		**
1,1-Dichloroethane, ug/l	1U	---	---	---		**
Cis/Trans-1,2-Dichloroethene, ug/l	1U	---	---	---		**
Chloroform, ug/l	1U	---	---	---		**
1,2-Dichloroethane, ug/l	0.36U	---	---	---		**
2-Butanone, ug/l	2U	---	---	---		**
1,1,1-Trichloroethane, ug/l	1U	---	---	---		**
Carbon Tetrachloride, ug/l	2U	---	---	---		**
Vinyl Acetate, ug/l	2U	---	---	---		**
Bromodichloromethane, ug/l	1U	---	---	---		**
1,1,2,2-Tetrachloroethane, ug/l	1U	---	---	---		**
1,2-Dichloropropane, ug/l	1U	---	---	---		**

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LOG NO	SAMPLE DESCRIPTION , REPORT FOR LIQUID SAMPLES	SAMPLED BY			
32202-9	Method Blank	Client			
32202-10	LCS % Recovery				
32202-11	Matrix Spike/Matrix Spike Dup (% Rec)				
32202-12	% RPD				
32202-13	Calibration Initial/Continuing				
PARAMETER	32202-9	32202-10	32202-11	32202-12	32202-13
Trans-1,3-Dichloropropene, ug/l	1U	---	---	---	**
Trichloroethene, ug/l	1U	88 %	100/107 %	6.8 %	**
Dibromochloromethane, ug/l	1U	---	---	---	**
1,1,2-Trichloroethane, ug/l	1U	---	---	---	**
Benzene, ug/l	0.26U	90 %	108/120 %	11 %	**
Cis-1,3-Dichloropropene, ug/l	1U	---	---	---	**
Bromoform, ug/l	1U	---	---	---	**
2-Hexanone, ug/l	2U	---	---	---	**
4-Methyl-2-pentanone, ug/l	2U	---	---	---	**
Tetrachloroethene, ug/l	2U	---	---	---	**
Toluene, ug/l	0.4U	93 %	107/88 %	19 %	**
Chlorobenzene, ug/l	1U	85 %	102/99 %	3.0 %	**
Ethylbenzene, ug/l	1U	---	---	---	**
Styrene, ug/l	1U	---	---	---	**
Xylenes, ug/l	0.3J	---	---	---	**
Surrogate-TOL (CL 88-110)	97 %	92 %	99/84 %	---	---
Surrogate-BFB (CL 86-115)	101 %	91 %	108/118 %	---	---
Surrogate-DCE (CL 76-114)	87 %	94 %	86/76 %	---	---
BFB-Tuning	PASSED	PASSED	PASSED	---	---
Date Analyzed	03.27.91	---	---	---	---

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LOG NO	SAMPLE DESCRIPTION , REPORT FOR LIQUID SAMPLES	SAMPLED BY				
32202-9	Method Blank	Client				
32202-10	LCS % Recovery					
32202-11	Matrix Spike/Matrix Spike Dup (% Rec)					
32202-12	% RPD					
32202-13	Calibration Initial/Continuing					
PARAMETER	32202-9	32202-10	32202-11	32202-12	32202-13	
ICP Metals (6010)						
Antimony, ug/l	50.0U	106 %	101/102 %	0.99 %		**
Beryllium, ug/l	5.0U	96 %	91/91 %	0 %		**
Cadmium, ug/l	5.0U	108 %	94/97 %	3.1 %		**
Chromium, ug/l	10.0U	102 %	97/98 %	1.0 %		**
Copper, ug/l	10.0U	101 %	96/95 %	1.0 %		**
Nickel, ug/l	10.0U	103 %	97/97 %	0 %		**
Silver, ug/l	10.0U	102 %	98/99 %	1.0 %		**
Zinc, ug/l	10.0U	106 %	99/100 %	1.0 %		**
Date Analyzed	03.25.91					**
Arsenic (7060)						
Arsenic, ug/l	10.0U	91 %	103/106 %	2.9 %		**
Date Analyzed	04.10.91					
Lead (7421)						
Lead, ug/l	5.0U	105 %	96/97 %	1.0 %		**
Date Analyzed	04.13.91					
Mercury (7470/7471)						
Mercury , ug/l	0.20U	104 %	107/108 %	0.93 %		**
Date Analyzed	03.30.91					
Selenium (7740)						
Selenium, ug/l	5.0U	113 %	76/78 %	2.6 %		**
Date Analyzed	04.15.91					

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LOG NO	SAMPLE DESCRIPTION , REPORT FOR LIQUID SAMPLES	SAMPLED BY				
32202-9	Method Blank	Client				
32202-10	LCS % Recovery					
32202-11	Matrix Spike/Matrix Spike Dup (% Rec)					
32202-12	% RPD					
32202-13	Calibration Initial/Continuing					
PARAMETER	32202-9	32202-10	32202-11	32202-12	32202-13	
Thallium (7841)						
Thallium, ug/l	5.0U	92 %	86/88 %	2.3 %		**
Date Analyzed	04.13.91					

Methods: EPA SW-846 & CLP SOW

**Calibration information submitted in data package.

Linda A. Wolfe
Linda A. Wolfe

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LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES				SAMPLED BY
32229-1	BC-MW3-3 (3-20-91) SDG # B00004				Client
32229-2	BC-MW13-3 (3-20-91) SDG # B00004				
32229-3	BC-MW2-3 (3-20-91) SDG # B00004				
32229-4	BC-MW8-3 (3-20-91) SDG # B00004				
32229-5	BC3-MW5-3 (3-20-91) SDG # B00004				
PARAMETER	32229-1	32229-2	32229-3	32229-4	32229-5
Volatiles by GC/MS (8240)					
Chloromethane, ug/l	2U	2U	2U	2U	2U
Bromomethane, ug/l	2U	2U	2U	2U	2U
Vinyl Chloride, ug/l	2U	2U	2U	2U	2U
Chloroethane, ug/l	2U	2U	2U	2U	2U
Methylene Chloride, ug/l	1U	1U	1U	1U	1U
Acetone, ug/l	2U	2U	2U	1JB	2U
Carbon Disulfide, ug/l	1U	1U	1U	1U	1U
1,1-Dichloroethene, ug/l	1U	1U	1U	1U	1U
1,1-Dichloroethane, ug/l	1U	1U	1U	1U	1U
Cis/Trans-1,2-Dichloroethene, ug/l	1U	1U	1U	1U	1U
Chloroform, ug/l	1U	1U	0.6J	1U	1U
1,2-Dichloroethane, ug/l	0.36U	0.36U	0.36U	0.36U	0.36U
2-Butanone, ug/l	2UR	2UR	2UR	2UR	2UR
1,1,1-Trichloroethane, ug/l	1U	1U	1U	1U	1U
Carbon Tetrachloride, ug/l	2U	2U	2U	2U	2U
Vinyl Acetate, ug/l	2U	2U	2U	2U	2U
Bromodichloromethane, ug/l	1U	1U	1U	1U	1U
1,1,2,2-Tetrachloroethane, ug/l	1U	1U	1U	1U	1U
1,2-Dichloropropane, ug/l	1U	1U	1U	1U	1U

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LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY			
32229-1	BC-MW3-3 (3-20-91) SDG # B00004	Client			
32229-2	BC-MW13-3 (3-20-91) SDG # B00004				
32229-3	BC-MW2-3 (3-20-91) SDG # B00004				
32229-4	BC-MW8-3 (3-20-91) SDG # B00004				
32229-5	BC3-MW5-3 (3-20-91) SDG # B00004				
PARAMETER	32229-1	32229-2	32229-3	32229-4	32229-5
Trans-1,3-Dichloropropene, ug/l	1U	1U	1U	1U	1U
Trichloroethene, ug/l	0.7J	1U	1U	1U	1U
Dibromochloromethane, ug/l	1U	1U	1U	1U	1U
1,1,2-Trichloroethane, ug/l	1U	1U	1U	1U	1U
Benzene, ug/l	0.26U	0.23J	0.26U	0.26U	0.26U
Cis-1,3-Dichloropropene, ug/l	1U	1U	1U	1U	1U
Bromoform, ug/l	1U	1U	1U	1U	1U
2-Hexanone, ug/l	2UR	2UR	2UR	2UR	2UR
4-Methyl-2-pentanone, ug/l	2U	2U	2U	2U	2U
Tetrachloroethene, ug/l	2U	2U	2U	2U	2U
Toluene, ug/l	0.4U	0.4U	0.4U	0.4U	0.4U
Chlorobenzene, ug/l	1U	1U	1U	1U	1U
Ethylbenzene, ug/l	1U	1U	1U	1U	1U
Styrene, ug/l	1U	1U	1U	1U	1U
Xylenes, ug/l	1U	1U	1U	1U	1U
Surrogate-TOL (CL 88-110)	97 %	94 %	97 %	91 %	93 %
Surrogate-BFB (CL 86-115)	111 %	107 %	106 %	110 %	106 %
Surrogate-DCE (CL 76-114)	87 %	84 %	91 %	84 %	92 %
BFB-Tuning	PASSED	PASSED	PASSED	PASSED	PASSED
Date Analyzed	03.27.91	03.27.91	03.27.91	03.28.91	03.28.91

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LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY			
32229-1	BC-MW3-3 (3-20-91) SDG # B00004	Client			
32229-2	BC-MW13-3 (3-20-91) SDG # B00004				
32229-3	BC-MW2-3 (3-20-91) SDG # B00004				
32229-4	BC-MW8-3 (3-20-91) SDG # B00004				
32229-5	BC3-MW5-3 (3-20-91) SDG # B00004				
PARAMETER	32229-1	32229-2	32229-3	32229-4	32229-5
ICP Metals (6010)					
Antimony, ug/l	50.0U	50.0U	50.0U	50.0U	50.0U
Beryllium, ug/l	5.0U	5.0U	5.0U	5.0U	5.0U
Cadmium, ug/l	5.0U	5.0U	5.0U	5.0U	5.0U
Chromium, ug/l	10.0U	10.0U	10.0U	10.0U	10.0U
Copper, ug/l	10.0U	10.0U	10.0U	10.0U	10.0U
Nickel, ug/l	10.0U	10.0U	10.0U	10.0U	10.0U
Silver, ug/l	10.0U	10.0U	10.0U	10.0U	10.0U
Zinc, ug/l	68.3	10.0U	10.8	49.7	10.0U
Date Analyzed	03.25.91	03.25.91	03.25.91	03.25.91	03.25.91
Arsenic (7060)					
Arsenic, ug/l	10.0U	10.0U ^J	10.0U	10.0U	10.0U
Date Analyzed	04.10.91	04.10.91	04.10.91	04.10.91	04.10.91
Lead (7421)					
Lead, ug/l	5.0U	5.0U	5.0U	5.0U	5.0U
Date Analyzed	04.13.91	04.13.91	04.13.91	04.13.91	04.13.91
Mercury (7470/7471)					
Mercury, ug/l	0.20U	0.20U	0.20U	0.20U	0.20U
Date Analyzed	03.30.91	03.30.91	03.30.91	03.30.91	03.30.91
Selenium (7740)					
Selenium, ug/l	5.0U ^J	5.0U ^J	5.0U ^J	5.0U ^J	5.0U ^J
Date Analyzed	04.15.91	04.15.91	04.15.91	04.15.91	04.15.91

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LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY				
32229-1	BC-MW3-3 (3-20-91) SDG # B00004	Client				
32229-2	BC-MW13-3 (3-20-91) SDG # B00004					
32229-3	BC-MW2-3 (3-20-91) SDG # B00004					
32229-4	BC-MW8-3 (3-20-91) SDG # B00004					
32229-5	BC3-MW5-3 (3-20-91) SDG # B00004					
PARAMETER	32229-1	32229-2	32229-3	32229-4	32229-5	
Thallium (7841)						
Thallium, ug/l	5.0UWJ	5.0UWJ	5.0U	5.0U	5.0U	
Date Analyzed	04.13.91	04.13.91	04.13.91	04.13.91	04.13.91	

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LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
32229-6	BC-TB5-3 (3-20-91) SDG # B00004	Client
PARAMETER	32229-6	
Volatiles by GC/MS (8240)		
Chloromethane, ug/l	2U	
Bromomethane, ug/l	2U	
Vinyl Chloride, ug/l	2U	
Chloroethane, ug/l	2U	
Methylene Chloride, ug/l	1U	
Acetone, ug/l	2U	
Carbon Disulfide, ug/l	1U	
1,1-Dichloroethene, ug/l	1U	
1,1-Dichloroethane, ug/l	1U	
Cis/Trans-1,2-Dichloroethene, ug/l	1U	
Chloroform, ug/l	0.7J	
1,2-Dichloroethane, ug/l	0.36U	
2-Butanone, ug/l	28R	
1,1,1-Trichloroethane, ug/l	1U	
Carbon Tetrachloride, ug/l	2U	
Vinyl Acetate, ug/l	2U	
Bromodichloromethane, ug/l	1	
1,1,2,2-Tetrachloroethane, ug/l	1U	
1,2-Dichloropropane, ug/l	1U	
Trans-1,3-Dichloropropene, ug/l	1U	
Trichloroethene, ug/l	1U	
Dibromochloromethane, ug/l	2	
1,1,2-Trichloroethane, ug/l	1U	

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LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
32229-6	BC-TB5-3 (3-20-91) SDG # B00004	Client
PARAMETER	32229-6	
Benzene, ug/l	0.26U	
Cis-1,3-Dichloropropene, ug/l	1U	
Bromoform, ug/l	1	
2-Hexanone, ug/l	28 R	
4-Methyl-2-pentanone, ug/l	2U	
Tetrachloroethene, ug/l	2U	
Toluene, ug/l	0.4U	
Chlorobenzene, ug/l	1U	
Ethylbenzene, ug/l	1U	
Styrene, ug/l	1U	
Xylenes, ug/l	1U	
Surrogate-TOL (CL 88-110)	93 Z	
Surrogate-BFB (CL 86-115)	94 Z	
Surrogate-DCE (CL 76-114)	98 Z	
BFB-Tuning	PASSED	
Date Analyzed	03.30.91	

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LOG NO SAMPLE DESCRIPTION , REPORT FOR LIQUID SAMPLES SAMPLED BY

32229-7	Method Blank	Client
32229-8	LCS % Recovery	
32229-9	Matrix Spike/Matrix Spike Dup (% Rec)	
32229-10	% RPD	
32229-11	Calibration Initial/Continuing	

PARAMETER	32229-7	32229-8	32229-9	32229-10	32229-11
Volatiles by GC/MS (8240)					
Chloromethane, ug/l	2U	---	---	---	**
Bromomethane, ug/l	2U	---	---	---	**
Vinyl Chloride, ug/l	2U	---	---	---	**
Chloroethane, ug/l	2U	---	---	---	**
Methylene Chloride, ug/l	1U	---	---	---	**
Acetone, ug/l	2U/4	---	---	---	**
Carbon Disulfide, ug/l	1U	---	---	---	**
1,1-Dichloroethene, ug/l	1U	87 %	107/120 %	11 %	**
1,1-Dichloroethane, ug/l	1U	---	---	---	**
Trans-1,2-Dichloroethene, ug/l	1U	---	---	---	**
Chloroform, ug/l	1U	---	---	---	**
1,2-Dichloroethane, ug/l	0.36U	---	---	---	**
2-Butanone, ug/l	2U	---	---	---	**
1,1,1-Trichloroethane, ug/l	1U	---	---	---	**
Carbon Tetrachloride, ug/l	2U	---	---	---	**
Vinyl Acetate, ug/l	2U	---	---	---	**
Bromodichloromethane, ug/l	1U	---	---	---	**
1,1,2,2-Tetrachloroethane, ug/l	1U	---	---	---	**
1,2-Dichloropropane, ug/l	1U	---	---	---	**

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LOG NO	SAMPLE DESCRIPTION , REPORT FOR LIQUID SAMPLES				SAMPLED BY
32229-7	Method Blank				Client
32229-8	LCS % Recovery				
32229-9	Matrix Spike/Matrix Spike Dup (% Rec)				
32229-10	% RPD				
32229-11	Calibration Initial/Continuing				
PARAMETER	32229-7	32229-8	32229-9	32229-10	32229-11
Trans-1,3-Dichloropropene, ug/l	1U	---	---	---	**
Trichloroethene, ug/l	1U	88 %	100/107 %	6.8 %	**
Dibromochloromethane, ug/l	1U	---	---	---	**
1,1,2-Trichloroethane, ug/l	1U	---	---	---	**
Benzene, ug/l	0.26U	90 %	108/120 %	11 %	**
Cis-1,3-Dichloropropene, ug/l	1U	---	---	---	**
Bromoform, ug/l	1U	---	---	---	**
2-Hexanone, ug/l	2U	---	---	---	**
4-Methyl-2-pentanone, ug/l	2U	---	---	---	**
Tetrachloroethene, ug/l	2U	---	---	---	**
Toluene, ug/l	0.4U	93 %	107/88 %	19 %	**
Chlorobenzene, ug/l	1U	85 %	102/99 %	3.0 %	**
Ethylbenzene, ug/l	1U	---	---	---	**
Styrene, ug/l	1U	---	---	---	**
Xylenes, ug/l	0.3J/1U	---	---	---	**
Surrogate-TOL (CL 88-110)	97/89 %	92 %	99/84 %	---	---
Surrogate-BFB (CL 86-115)	101/101 %	91 %	108/118 %	---	---
Surrogate-DCE (CL 76-114)	87/94 %	94 %	86/76 %	---	---
BFB-Tuning	PASSED	PASSED	PASSED	---	---
Date Analyzed	03.27.91	---	---	---	---

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LOG NO	SAMPLE DESCRIPTION , REPORT FOR LIQUID SAMPLES				SAMPLED BY
32229-7	Method Blank				Client
32229-8	LCS % Recovery				
32229-9	Matrix Spike/Matrix Spike Dup (% Rec)				
32229-10	% RPD				
32229-11	Calibration Initial/Continuing				
PARAMETER	32229-7	32229-8	32229-9	32229-10	32229-11
ICP Metals (6010)					
Antimony, ug/l	50.0U	106 %	101/102 %	0.99 %	**
Beryllium, ug/l	5.0U	96 %	91/91 %	0 %	**
Cadmium, ug/l	5.0U	108 %	94/97 %	3.1 %	**
Chromium, ug/l	10.0U	102 %	97/98 %	1.0 %	**
Copper, ug/l	10.0U	101 %	96/95 %	1.0 %	**
Nickel, ug/l	10.0U	103 %	97/97 %	0 %	**
Silver, ug/l	10.0U	102 %	98/99 %	1.0 %	**
Zinc, ug/l	10.0U	106 %	99/100 %	1.0 %	**
Date Analyzed	03.25.91	---	---	---	---
Arsenic (7060)					
Arsenic, ug/l	10.0U	91 %	103/106 %	2.9 %	**
Date Analyzed	04.10.91				
Lead (7421)					
Lead, ug/l	5.0U	105 %	96/97 %	1.0 %	**
Date Analyzed	04.13.91				
Mercury (7470/7471)					
Mercury , ug/l	0.20U	104 %	107/108 %	0.93 %	**
Date Analyzed	03.30.91				
Selenium (7740)					
Selenium, ug/l	5.0U	113 %	76/78 %	2.6 %	**
Date Analyzed	04.15.91				

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LOG NO	SAMPLE DESCRIPTION , REPORT FOR LIQUID SAMPLES				SAMPLED BY
32229-7	Method Blank				Client
32229-8	LCS % Recovery				
32229-9	Matrix Spike/Matrix Spike Dup (% Rec)				
32229-10	% RPD				
32229-11	Calibration Initial/Continuing				
PARAMETER	32229-7	32229-8	32229-9	32229-10	32229-11
Thallium (7841)					
Thallium, ug/l	5.0U	92 %	86/88 %	2.3 %	**
Date Analyzed	04.13.91				

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LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES					SAMPLED BY
32285-1	BC-RB4-3 (3-21-91) SDG # B00004					Client
32285-2	BC-MW15-3 (3-21-91) SDG # B00004					
32285-3	BC-MW7-3 (3-21-91) SDG # B00004					
32285-4	BC3-MW6-3 (3-21-91) SDG # B00004					
32285-5	BC5-MW1-3 (3-21-91) SDG # B00004					
PARAMETER	32285-1	32285-2	32285-3	32285-4	32285-5	
Volatiles by GC/MS (8240)						
Chloromethane, ug/l	10U	2U	10U	2U	2U	
Bromomethane, ug/l	10U	2U	10U	2U	2U	
Vinyl Chloride, ug/l	10U	2U	10U	2U	2U	
Chloroethane, ug/l	10U	2U	10U	2U	2U	
Methylene Chloride, ug/l	5U	1U	5U	1U	1U	
Acetone, ug/l	10U	2U	10U	2U	2U	
Carbon Disulfide, ug/l	5U	1U	5U	1U	1U	
1,1-Dichloroethene, ug/l	5U	1U	5U	1U	1U	
1,1-Dichloroethane, ug/l	5U	1U	5U	1U	1U	
Cis/Trans-1,2-Dichloroethene, ug/l	5U	1U	92	1U	1U	
Chloroform, ug/l	5U	1U	5U	1U	1U	
1,2-Dichloroethane, ug/l	1.8U	0.36U	1.8U	0.36U	0.36U	
2-Butanone, ug/l	205J	28R	54J	28R	24R	
1,1,1-Trichloroethane, ug/l	5U	1U	5U	1U	0.4J	
Carbon Tetrachloride, ug/l	10U	2U	10U	2U	2U	
Vinyl Acetate, ug/l	10U	2U	10U	2U	2U	
Bromodichloromethane, ug/l	5U	1U	5U	1U	1U	
1,1,2,2-Tetrachloroethane, ug/l	5U	1U	5U	1U	1U	
1,2-Dichloropropane, ug/l	5U	1U	5U	1U	1U	

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LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES					SAMPLED BY
32285-1	BC-RB4-3 (3-21-91) SDG # B00004					Client
32285-2	BC-MW15-3 (3-21-91) SDG # B00004					
32285-3	BC-MW7-3 (3-21-91) SDG # B00004					
32285-4	BC3-MW6-3 (3-21-91) SDG # B00004					
32285-5	BC5-MW1-3 (3-21-91) SDG # B00004					
PARAMETER	32285-1	32285-2	32285-3	32285-4	32285-5	
Trans-1,3-Dichloropropene, ug/l	5U	1U	5U	1U	1U	
Trichloroethene, ug/l	5U	1U	1J	1U	1U	
Dibromochloromethane, ug/l	5U	1U	5U	1U	1U	
1,1,2-Trichloroethane, ug/l	5U	1U	5U	1U	1U	
Benzene, ug/l	1.3U	0.26U	1.3U	0.26U	0.26U	
Cis-1,3-Dichloropropene, ug/l	5U	1U	5U	1U	1U	
Bromoform, ug/l	5U	1U	5U	1U	1U	
2-Hexanone, ug/l	10UR	2UR	10UR	2UR	2UR	
4-Methyl-2-pentanone, ug/l	10U	2U	10U	2U	2U	
Tetrachloroethene, ug/l	10U	2U	10U	2U	2U	
Toluene, ug/l	1J	0.4U	1J	0.2J	0.4U	
Chlorobenzene, ug/l	5U	1U	5U	1U	1U	
Ethylbenzene, ug/l	5U	1U	5U	1U	1U	
Styrene, ug/l	5U	1U	5U	1U	1U	
Xylenes, ug/l	5U	1U	5U	1U	0.2J	
Surrogate-TOL (CL 88-110)	93 %	90 %	102 %	91 %	92 %	
Surrogate-BFB (CL 86-115)	92 %	105 %	98 %	100 %	98 %	
Surrogate-DCE (CL 76-114)	89 %	93 %	95 %	92 %	97 %	
BFB-Tuning	PASSED	PASSED	PASSED	PASSED	PASSED	
Date Analyzed	03.30.91	03.28.91	03.30.91	03.28.91	03.28.91	

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LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY			
32285-1	BC-RB4-3 (3-21-91) SDG # B000004	Client			
32285-2	BC-MW15-3 (3-21-91) SDG # B000004				
32285-3	BC-MW7-3 (3-21-91) SDG # B000004				
32285-4	BC3-MW6-3 (3-21-91) SDG # B000004				
32285-5	BC5-MW1-3 (3-21-91) SDG # B000004				
PARAMETER	32285-1	32285-2	32285-3	32285-4	32285-5
ICP Metals (6010)					
Antimony, ug/l	50.0U	50.0U	50.0U	50.0U	50.0U
Beryllium, ug/l	5.0U	5.0U	5.0U	5.0U	5.0U
Cadmium, ug/l	5.0U	5.0U	5.0U	5.0U	5.0U
Chromium, ug/l	10.0U	10.0U	10.0U	10.0U	10.0U
Copper, ug/l	10.0U	10.0U	10.0U	10.0U	10.0U
Nickel, ug/l	10.0U	10.0U	10.0U	10.0U	10.0U
Silver, ug/l	10.0U	10.0U	10.0U	10.0U	10.0U
Zinc, ug/l	10.0U	10.0U	10.0U	10.0U	10.0U
Date Analyzed	03.27.91	03.27.91	03.27.91	03.27.91	03.27.91
Arsenic (7060)					
Arsenic, ug/l	10.0U	10.0U ^J	10.0U	10.0U	10.0U
Date Analyzed	04.10.91	04.10.91	04.10.91	04.10.91	04.10.91
Lead (7421)					
Lead, ug/l	5.0U	5.0U	5.0U	5.0U	5.0U
Date Analyzed	04.13.91	04.13.91	04.13.91	04.13.91	04.13.91
Mercury (7470/7471)					
Mercury, ug/l	0.20U	0.20U	0.20U	0.20U	0.20U
Date Analyzed	03.30.91	03.30.91	03.30.91	03.30.91	03.30.91
Selenium (7740)					
Selenium, ug/l	5.0U ^J	5.0U ^J	5.0U ^J	5.0U ^J	5.0U ^J
Date Analyzed	04.15.91	04.15.91	04.15.91	04.15.91	04.15.91

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LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES				SAMPLED BY
32285-1	BC-RB4-3 (3-21-91) SDG # B00004				Client
32285-2	BC-MW15-3 (3-21-91) SDG # B00004				
32285-3	BC-MW7-3 (3-21-91) SDG # B00004				
32285-4	BC3-MW6-3 (3-21-91) SDG # B00004				
32285-5	BC5-MW1-3 (3-21-91) SDG # B00004				
PARAMETER	32285-1	32285-2	32285-3	32285-4	32285-5
Thallium (7841)					
Thallium, ug/l	5.0U	5.0U	5.0U	5.0U	5.0U
Date Analyzed	04.13.91	04.13.91	04.13.91	04.13.91	04.13.91

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LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
32285-6	BC-TB6-3 (3-21-91) SDG # B00004	Client
PARAMETER	32285-6	
Volatiles by GC/MS (8240)		
Chloromethane, ug/l	2U	
Bromomethane, ug/l	2U	
Vinyl Chloride, ug/l	2U	
Chloroethane, ug/l	2U	
Methylene Chloride, ug/l	1U	
Acetone, ug/l	2U	
Carbon Disulfide, ug/l	1U	
1,1-Dichloroethene, ug/l	1U	
1,1-Dichloroethane, ug/l	1U	
Cis/Trans-1,2-Dichloroethene, ug/l	1U	
Chloroform, ug/l	0.6J	
1,2-Dichloroethane, ug/l	0.36U	
2-Butanone, ug/l	2UR	
1,1,1-Trichloroethane, ug/l	1U	
Carbon Tetrachloride, ug/l	2U	
Vinyl Acetate, ug/l	2U	
Bromodichloromethane, ug/l	1	
1,1,2,2-Tetrachloroethane, ug/l	1U	
1,2-Dichloropropane, ug/l	1U	
Trans-1,3-Dichloropropene, ug/l	1U	
Trichloroethene, ug/l	1U	
Dibromochloromethane, ug/l	3	
1,1,2-Trichloroethane, ug/l	1U	

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LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
32285-6	BC-TB6-3 (3-21-91) SDG # B00004	Client
PARAMETER	32285-6	
Benzene, ug/l	0.26U	
Cis-1,3-Dichloropropene, ug/l	1U	
Bromoform, ug/l	1	
2-Hexanone, ug/l	2UR	
4-Methyl-2-pentanone, ug/l	2U	
Tetrachloroethene, ug/l	2U	
Toluene, ug/l	0.4U	
Chlorobenzene, ug/l	1U	
Ethylbenzene, ug/l	1U	
Styrene, ug/l	1U	
Xylenes, ug/l	1U	
Surrogate-TOL (CL 88-110)	91 %	
Surrogate-BFB (CL 86-115)	106 %	
Surrogate-DCE (CL 76-114)	92 %	
BFB-Tuning	PASSED	
Date Analyzed	03.28.91	

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LOG NO SAMPLE DESCRIPTION , REPORT FOR LIQUID SAMPLES SAMPLED BY

32285-7	Method Blank	Client
32285-8	LCS (% Rec)	
32285-9	Matrix Spike/Matrix Spike Dup (% Rec)	
32285-10	% RPD	
32285-11	Calibration Initial/Continuing	

PARAMETER	32285-7	32285-8	32285-9	32285-10	32285-11
-----------	---------	---------	---------	----------	----------

Volatiles by GC/MS (8240)

Chloromethane, ug/l	2U	---	---	---	**
Bromomethane, ug/l	2U	---	---	---	**
Vinyl Chloride, ug/l	2U	---	---	---	**
Chloroethane, ug/l	2U	---	---	---	**
Methylene Chloride, ug/l	1U	---	---	---	**
Acetone, ug/l	4/2U	---	---	---	**
Carbon Disulfide, ug/l	1U	---	---	---	**
1,1-Dichloroethene, ug/l	1U	87 %	107/120 %	11 %	**
1,1-Dichloroethane, ug/l	1U	---	---	---	**
Trans-1,2-Dichloroethene, ug/l	1U	---	---	---	**
Chloroform, ug/l	1U	---	---	---	**
1,2-Dichloroethane, ug/l	0.36U	---	---	---	**
2-Butanone, ug/l	2U/0.7J	---	---	---	**
1,1,1-Trichloroethane, ug/l	1U	---	---	---	**
Carbon Tetrachloride, ug/l	2U	---	---	---	**
Vinyl Acetate, ug/l	2U	---	---	---	**
Bromodichloromethane, ug/l	1U	---	---	---	**
1,1,2,2-Tetrachloroethane, ug/l	1U	---	---	---	**
1,2-Dichloropropane, ug/l	1U	---	---	---	**

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Project: AT561 Battle Creek, Michigan

REPORT OF RESULTS

Page 8

LOG NO	SAMPLE DESCRIPTION , REPORT FOR LIQUID SAMPLES					SAMPLED BY
32285-7	Method Blank					Client
32285-8	LCS (% Rec)					
32285-9	Matrix Spike/Matrix Spike Dup (% Rec)					
32285-10	% RPD					
32285-11	Calibration Initial/Continuing					
PARAMETER	32285-7	32285-8	32285-9	32285-10	32285-11	
Trans-1,3-Dichloropropene, ug/l	1U	---	---	---	**	
Trichloroethene, ug/l	1U	88 %	100/107 %	6.8 %	**	
Dibromochloromethane, ug/l	1U	---	---	---	**	
1,1,2-Trichloroethane, ug/l	1U	---	---	---	**	
Benzene, ug/l	0.26U	90 %	108/120 %	11 %	**	
Cis-1,3-Dichloropropene, ug/l	1U	---	---	---	**	
Bromoform, ug/l	1U	---	---	---	**	
2-Hexanone, ug/l	2U	---	---	---	**	
4-Methyl-2-pentanone, ug/l	2U	---	---	---	**	
Tetrachloroethene, ug/l	2U	---	---	---	**	
Toluene, ug/l	0.4U	93 %	107/88 %	19 %	**	
Chlorobenzene, ug/l	1U	85 %	102/99 %	3.0 %	**	
Ethylbenzene, ug/l	1U	---	---	---	**	
Styrene, ug/l	1U	---	---	---	**	
Xylenes, ug/l	1U	---	---	---	**	
Surrogate-TOL (CL 88-110)	89/96 %	92 %	99/84 %	---	---	
Surrogate-BFB (CL 86-115)	101/93 %	91 %	108/118 %	---	---	
Surrogate-DCE (CL 76-114)	94/88 %	94 %	86/76 %	---	---	
BFB-Tuning	PASSED	PASSED	PASSED	---	---	
Date Analyzed	3.27/29.91	---	---	---	---	

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REPORT OF RESULTS

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LOG NO	SAMPLE DESCRIPTION , REPORT FOR LIQUID SAMPLES				SAMPLED BY
32285-7	Method Blank				Client
32285-8	LCS (% Rec)				
32285-9	Matrix Spike/Matrix Spike Dup (% Rec)				
32285-10	% RPD				
32285-11	Calibration Initial/Continuing				
PARAMETER	32285-7	32285-8	32285-9	32285-10	32285-11
ICP Metals (6010)					
Antimony, ug/l	50.0U	107 %	101/102 %	0.99 %	**
Beryllium, ug/l	5.0U	95 %	91/91 %	0 %	**
Cadmium, ug/l	5.0U	100 %	94/97 %	3.1 %	**
Chromium, ug/l	10.0U	99 %	97/98 %	1.0 %	**
Copper, ug/l	10.0U	102 %	96/95 %	1.0 %	**
Nickel, ug/l	10.0U	99 %	97/97 %	0 %	**
Silver, ug/l	10.0U	98 %	98/99 %	1.0 %	**
Zinc, ug/l	10.0U	101 %	99/100 %	1.0 %	**
Date Analyzed	03.27.91	---	---	---	---
Arsenic (7060)					
Arsenic, ug/l	10.0U	91 %	103/106 %	2.9 %	**
Date Analyzed	04.10.91				
Lead (7421)					
Lead, ug/l	5.0U	105 %	96/97 %	1.0 %	**
Date Analyzed	04.13.91				
Mercury (7470/7471)					
Mercury, ug/l	0.20U	104 %	107/108 %	0.93 %	**
Date Analyzed	03.30.91				
Selenium (7740)					
Selenium, ug/l	5.0U	118 %	76/78 %	2.6 %	**
Date Analyzed	04.15.91				

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REPORT OF RESULTS

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LOG NO	SAMPLE DESCRIPTION , REPORT FOR LIQUID SAMPLES	SAMPLED BY
32285-7	Method Blank	Client
32285-8	LCS (% Rec)	
32285-9	Matrix Spike/Matrix Spike Dup (% Rec)	
32285-10	% RPD	
32285-11	Calibration Initial/Continuing	

PARAMETER	32285-7	32285-8	32285-9	32285-10	32285-11
Thallium (7841)					
Thallium, ug/l	5.0U	92 %	86/88 %	2.3 %	**
Date Analyzed	04.13.91				

Methods: EPA SW_846 & CLP SOW

** Calibration information submitted in data package.

Linda A. Wolfe
Linda A. Wolfe

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CHAIN OF CUSTODY RECORD

[illegible]

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REPORT OF RESULTS

Page 1

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES				SAMPLED BY
32353-1	BC6-BKG (3-25-91) SDG # B00005				Client
32353-2	BC6-SB1-0 (3-25-91) SDG # B00005				
32353-3	BC6-SB1-2 (3-25-91) SDG # B00005				
32353-4	BC6-SB2-0 (3-25-91) SDG # B00005				
32353-5	BC6-SB2-2 (3-25-91) SDG # B00005				
PARAMETER	32353-1	32353-2	32353-3	32353-4	32353-5
Purgeable Aromatic Organics (602)					
Benzene, ug/kg dw	2U	2U	2U	2U	2U
Ethylbenzene, ug/kg dw	2U	2U	2U	2U	2U
Toluene, ug/kg dw	13/9	23/15	2U	52/10	2U
Xylenes, ug/kg dw	4U	4U	4U	4U	4U
Date Analyzed	04.08.91	04.05.91	04.08.91	04.08.91	04.08.91
Dilution factor	5	5	5	5	5
Surrogate - Trifluoro-toluene (70-130 % Rec)	82 %	129 %	99 %	127 %	97 %
Total Petroleum Hydrocarbons (418.1)					
Petroleum Hydrocarbons (418.1), mg/kg dw	11U	11U	10U	12	10U
Date Analyzed	04.09.91	04.09.91	04.09.91	04.09.91	04.09.91
Percent Solids, %	94 %	94 %	97 %	96 %	96 %

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REPORT OF RESULTS

Page 2

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES				SAMPLED BY
32353-6	BC6-SB6-0 (3-25-91) SDG # B00005				Client
32353-7	BC6-SB6-4 (3-25-91) SDG # B00005				
32353-8	BC6-SB7-0 (3-25-91) SDG # B00005				
32353-9	BC6-SB7-4 (3-25-91) SDG # B00005				
32353-10	BC6-SB3-0 (3-25-91) SDG # B00005				
PARAMETER	32353-6	32353-7	32353-8	32353-9	32353-10
Purgeable Aromatic Organics (602)					
Benzene, ug/kg dw	2U	2U	2U	2U	2U
Ethylbenzene, ug/kg dw	2U	2U	2U	2U	2U
Toluene, ug/kg dw	22/8	16/9	2U	2U	2U
Xylenes, ug/kg dw	5U	4U	4U	4U	5U
Date Analyzed	04.05.91	04.05.91	04.05.91	04.08.91	04.05.91
Dilution factor	5	5	5	5	5
Surrogate - Trifluoro-toluene (70-130 % Rec)	120 %	115 %	120 %	110 %	117 %
Total Petroleum Hydrocarbons (418.1)					
Petroleum Hydrocarbons (418.1), mg/kg dw	21	11U	18	10U	17
Date Analyzed	04.09.91	04.09.91	04.09.91	04.09.91	04.09.91
Percent Solids, %	88 %	91 %	89 %	96 %	86 %

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Page 3

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	SAMPLED BY	
32353-11	BC6-SB3-2 (3-25-91) SDG # B00005	Client	
32353-12	BC7-SB1-0 (3-25-91) SDG # B00005		
PARAMETER	32353-11	32353-12	
Purgeable Aromatic Organics (602)			
Benzene, ug/kg dw	2U	2U	
Ethylbenzene, ug/kg dw	2U	2U	
Toluene, ug/kg dw	2U	2U	
Xylenes, ug/kg dw	4U	4U	
Date Analyzed	04.05.91	04.08.91	
Dilution factor	5	5	
Surrogate - Trifluoro- toluene (70-130 % Rec)	111 %	86 %	
Total Petroleum Hydrocarbons (418.1)			
Petroleum Hydrocarbons (418.1), mg/kg dw	13	12	
Date Analyzed	04.09.91	04.09.91	
Percent Solids, %	91 %	94 %	

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Page 4

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY		
32353-13	BC-RB5-3 (3-25-91) SDG # B00005	Client		
32353-14	BC-FB4-3 (3-25-91) SDG # B00005			
32353-15	BC-FB3-3 (3-25-91) SDG # B00005			
PARAMETER	32353-13	32353-14	32353-15	
Purgeable Aromatic Organics (602)				
Benzene, ug/l	2U	2U	2U	
Ethylbenzene, ug/l	2U	2U	2U	
Toluene, ug/l	2U	2U	2U	
Xylenes, ug/l	2U	2U	2U	
Date Analyzed	03.31.91	03.31.91	03.31.91	
Dilution factor	1	1	1	
Surrogate - Trifluoro- toluene (70-130 % Rec)	96 %	97 %	93 %	
Total Petroleum Hydrocarbons (418.1)				
Petroleum Hydrocarbons (418.1), mg/l	1.0U	1.0U	1.0U	
Date Analyzed	04.10.91	04.10.91	04.10.91	

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REPORT OF RESULTS

Page 5

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
32353-16	BC-TB7-3 (3-25-91) SDG # B00005	Client
PARAMETER	32353-16	
Purgeable Aromatic Organics (602)		
Benzene, ug/l	2U	
Ethylbenzene, ug/l	2U	
Toluene, ug/l	2U	
Xylenes, ug/l	2U	
Date Analyzed	03.31.91	
Dilution factor	1	
Surrogate - Trifluoro- toluene (70-130 % Rec)	98 %	

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REPORT OF RESULTS

Page 6

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID					SAMPLED BY
32353-17	Method Blank - Soil					Client
32353-18	LCS (% Rec) - Soil					
32353-19	MS/MSD (% Rec) - Soil					
32353-20	% RPD (Soil)					
32353-21	Calibration - Initial/Continuing					
PARAMETER	32353-17	32353-18	32353-19	32353-20	32353-21	
Purgeable Aromatic Organics (602)						
Benzene, ug/kg dw	2U	96 %	110 %	4.5 %		**
Ethylbenzene, ug/kg dw	2U	---	---	---		**
Toluene, ug/kg dw	2U	112 %	125 %	2.4 %		**
Xylenes, ug/kg dw	4U	---	---	---		**
Date Analyzed	4.05/08.91	---	---	---		---
Dilution factor	5	---	---	---		---
Surrogate - Trifluoro- toluene (70-130 % Rec)	102/105 %	---	---	---		---
Total Petroleum Hydrocarbons (418.1)						
Petroleum Hydrocarbons (418.1), mg/kg dw	10U	101 %	107/99 %	7.8 %	1.0/2.0 %	
Date Analyzed	04.09.91	---	---	---		---

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REPORT OF RESULTS

Page 7

LOG NO	SAMPLE DESCRIPTION , REPORT FOR LIQUID SAMPLES	SAMPLED BY
32353-22	LCS (% Rec) - Water	Client
32353-23	MS/MSD (% Rec) - Water	
32353-24	% RPD - WATER	
32353-25	Calibration Initial/Continuing	
32353-26	Method Blank - Water	

PARAMETER	32353-22	32353-23	32353-24	32353-25	32353-26
Purgeable Aromatic Organics (602)					
Benzene, ug/l	95 %	95 %	3.2 %	**	2U
Toluene, ug/l	110 %	110 %	1.0 %	**	2U
Xylenes, ug/l	---	---	---	**	2U
Ethylbenzene, ug/l	---	---	---	**	2U
Date Analyzed	---	---	---	---	03.31.91
Dilution factor	---	---	---	---	1
Surrogate - Trifluoro-toluene (70-130 % Rec)	---	---	---	---	98 %
Total Petroleum Hydrocarbons (418.1)					
Petroleum Hydrocarbons (418.1), mg/l	105 %	96/96 %	0 %	1.0/2.0 %	1.0U
Date Analyzed	---	---	---	---	04.10.91

Methods: EPA SW-846

**Calibration information submitted in data package.

Samples with positive results on the primary analysis were confirmed on a second column. The first result reported is from the primary analysis and the result following the slash (/) is from the confirmation analysis.

Linda A. Wolfe
Linda A. Wolfe

ENGINEERING SCIENCE

CHAIN OF CUSTODY RECORD

ES JOB NO. AT561	PROJECT NAME/ LOCATION 110 th TASG, Michigan Air National Guard W.K. Kellogg Regional Airport Battle Creek, Michigan	Report Results to: Engineering Science, Inc. Attn: Thomas M. Roth, P.E. 57 Executive Park South, Suite 500 Atlanta, GA 30328 (404) 325-0770	PRESERVATIVE REQUIRED												SNIP TO:	
			ANALYSES REQUIRED												Savannah Laboratories Attn: Dr. Jim Andrews 5102 La Roche Avenue Savannah, GA 31404 (912) 354-7858	
			DATE	TIME	SAMPLE DESCRIPTION	NUMBER OF CONTAINERS	MTLS	BTX (SM020)	TPM (EA 10.1)	SPIN (CLP)	VOC (CLP)	SPIN (CLP)	MTLS	BTX (SM020)	TPM (EA 10.1)	MATRIX
3/25	1030	BC-TB7-3	3											WATER	TRIP Blank	
3/25	1045	BCG-BK6	1											Soil		
3/25	1100	BCG-SB1-0	1											Soil		
3/25	1115	BCG-SB1-2	1											Soil		
3/25	1135	BCG-SB2-0	1											Soil		
3/25	1150	BCG-SB2-2	1											Soil		
3/25	1450	BCG-SB6-0	1											Soil		
3/25	1520	BCG-SB6-4	1											Soil		
3/25	1540	BCG-SB7-0	1											Soil		
3/25	1600	BCG-SB7-4	1											Soil		
3/25	1640	BC-RB5-3	5											WATER	RINSEATE	
3/25	1700	BCG-SB3-0	1											Soil		
3/25	1710	BCG-SB3-2	1											Soil		
3/25	1730	BC7-SB1-0	2											Soil	Use for MS/MSD	
3/25	1800	BC-FB4-3	5											WATER	POTABLE WATER Blank	
3/25	1825	BC-FB3-3	5											WATER	HPLC WATER Blank	
3/25																
3/25																

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VOLATILE DATA PACKAGE

SDG # B00005

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GC VOLATILE CASE NARRATIVE

These samples were analyzed following SW-846 method 8020 for BTEX only. The SDG number designated is B00005.

All liquid samples were analyzed with a five point calibration in the same 12 hour period, therefore no continuing calibration was required.

The soil samples were analyzed under continuing calibration standards which passed the 15 % difference criteria. All positive hits were confirmed on a second column. Both results are reported.

The initial five point calibration curves are submitted along with Savannah Laboratories' modified Form IXB and Form X.

000002

APPENDIX K
RESIDENTIAL WELL SAMPLING BY
CALHOUN COUNTY HEALTH DEPARTMENT

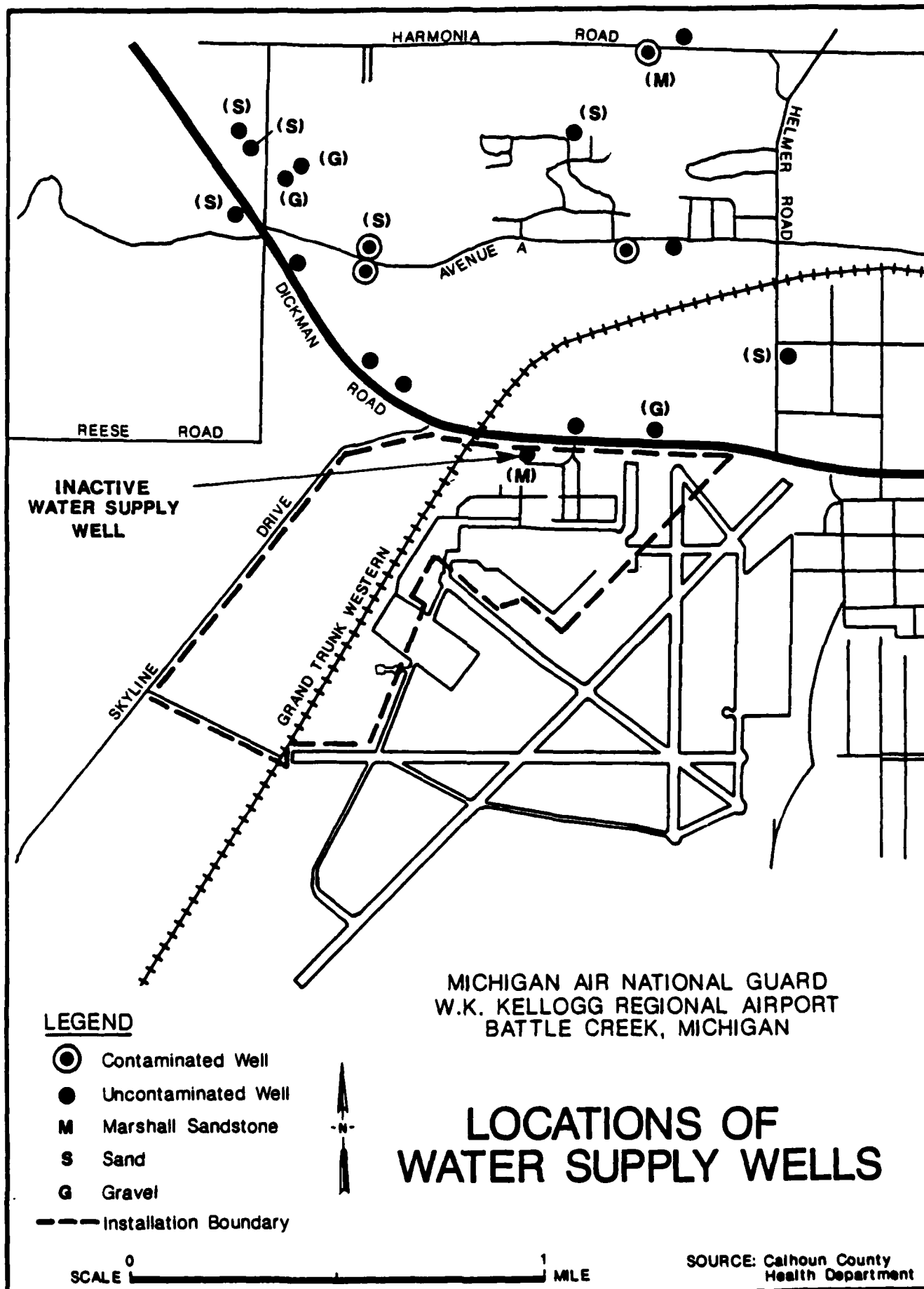
APPENDIX K
RESIDENTIAL WELL SAMPLING BY
CALHOUN COUNTY HEALTH DEPARTMENT

The Calhoun County Health Department has sampled private wells located north of the base (Figure G-1). Groundwater contamination was found in four of these wells. Data provided by the county indicates an area of solvent contamination north of the eastern portion of the base. Contaminants were detected in two wells in this vicinity. One of these wells is located on Avenue A. The other well is located on Harmonia Road. Trichloroethylene was detected in samples from the well on Avenue A at concentrations of 214 ug/L and 157 ug/L. In the same groundwater samples, cis-1,2-dichloroethylene was detected at concentrations of 17 ug/L and 7 ug/L. Trichloroethylene, cis-1,2-dichloroethylene and 1,1,1-trichloroethane were detected in samples from a private well on Harmonia Drive at concentrations of 90 ug/L, 14 ug/L and 2 ug/L, respectively. Results of subsequent analysis of a deeper well at this location did not indicate the presence of contaminants.

The data provided by the county also indicates an area of fuel contamination north of the western portion of the base. Benzene was detected at a concentration of 4 ug/L in a sample from a private well on the north side of Avenue A. Xylene was detected at a concentration of 2 ug/L in a subsequent sample from this well. Toluene and cis-1,2-dichloroethylene were detected at concentrations less than 10 ug/L in several samples from another well on the south side of A Street in the area north of the western part of the base.

The limited data available from the county indicate an area of solvent contamination north of the eastern part of the base. Trichloroethylene, was found in private wells in concentrations ranging from 90 ug/L to 214 ug/L. Trichloroethylene was found in boundary wells on the northeast portion of the base at levels ranging up to 3 ug/L and in wells on the northwest boundary at levels up to 9 ug/L. The levels

FIGURE K.1



of trichloroethylene found at the base boundary are an order of magnitude lower than those found off base.

Also, fuel related contaminants (benzene, xylene, and toluene) were found in private wells in an area northwest of the base. These compounds were each found at levels less than 10 ug/L. Groundwater samples from the base boundary wells did not show any of these contaminants. These limited data indicate that there may be more than one source of groundwater contamination in the vicinity of the base.